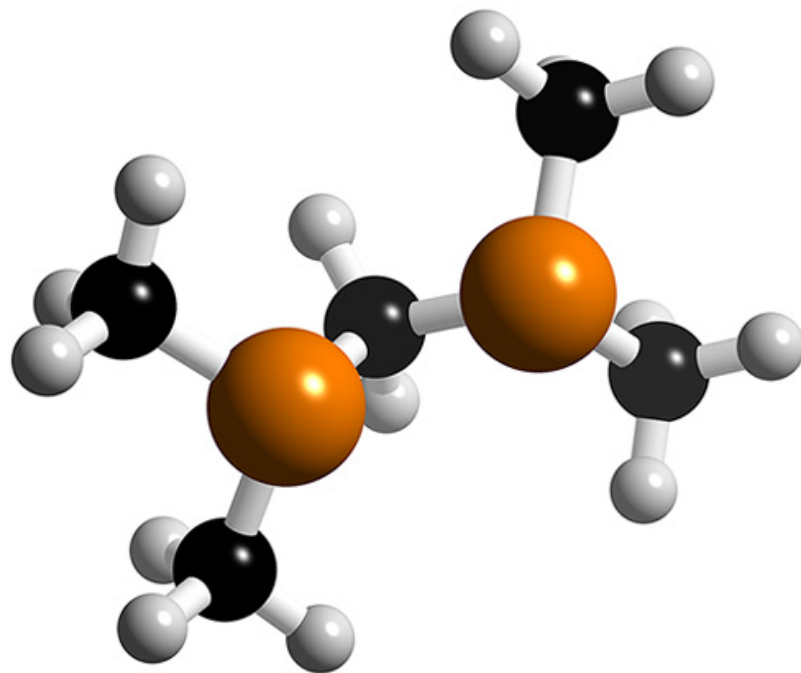




HANDBOOK OF BIOANALYTICAL METHODS at LAMBDA THERAPEUTIC RESEARCH



Edition: December 2018

Bio-analytical

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

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

Infrastructure

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

Regulatory Track Record

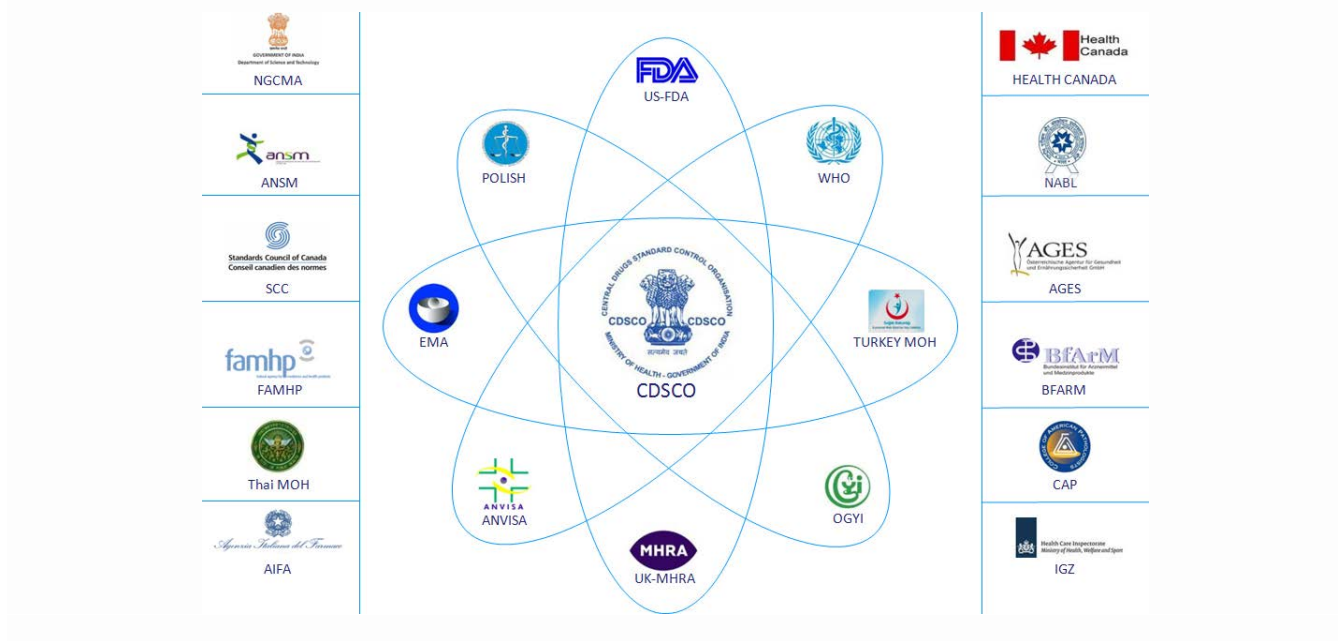


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Lambda Therapeutic Research

LARGE MOLECULES / THERAPEUTIC PROTEINS / BIOSIMILARS

Sr. No.	Drug Name	Instrument/Method of Analysis	Matrix	Range	Anticoagulant	Dose
Location : India						
1	Bevacizumab	Sandwich ELISA	Human Serum	1.042 to 130 µg / mL	NA	7.5 mg / kg I.V
2	*Bevacizumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 µg / mL	NA	NA
3	Darbepoetin	Sandwich ELISA	Human Serum	0.075 to 2.6 ng / mL	NA	0.45µg/kg
4	Denosumab	Sandwich ELISA	Human Serum	160 to 10000 ng / mL	NA	60 mg
5	Erythropoietin	Sandwich ELISA	Human Serum	5.005 to 200 mIU / mL	NA	50IU/kg
6	Etanercept	Sandwich ELISA	Human Serum	39.063 to 5000 ng / mL	NA	50mg
7	Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	1 mg/vial
8	Rituximab	Competitive ELISA	Human Plasma	50 to 1502 ng / mL	K ₂ EDTA	100mg/10mL
9	rHu-FSH	Electrochemiluminescence Immunoassay	Human Serum	0.156 to 20 mIU/mL	NA	300 IU
10	*Teriparatide	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 pg / mL	NA	NA
11	Teriparatide	Sandwich ELISA	Human Serum	10 to 400 pg / mL	NA	NA
12	Trastuzumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 µg / mL	NA	8 mg / Kg
13	*Trastuzumab	Competitive ELISA	Human Serum	9.7 to 625 ng / mL	NA	NA
14	PEG G-CSF	Sandwich ELISA	Human Serum	0.150 to 10 ng / mL	NA	6mg /0.6 mL SC
15	*Romiplostim	Sandwich ELISA	Human Serum	0.040 to 5.000 ng/mL	NA	250 µg/0.5 mL

*: Developed method available

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
A							
Location : Canada							
CANADA	1	Acetaminophen	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 13 µg / mL	K ₂ EDTA	-
	2	Acetaminophen	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 13 µg / mL	K ₂ EDTA	320 mg
	3	Acyclovir	HPLC-UV	Human Plasma	5 to 1280 ng / mL	Heparin	-
	4	Acyclovir	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Sodium heparin	-
	5	Acyclovir	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-
	6	Acyclovir	LC-MS/MS (Thermo)	Human Plasma	5 to 1600 ng / mL	K ₂ EDTA	200 mg
	7	Alverine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	120 mg
	8	Allopurinol	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	200 mg
	9	Amantadine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1500 ng / mL	K ₂ EDTA	300mg
	10	Amantadine	LC-MS/MS (Thermo)	Human Urine	20 to 3000 ng / mL	Not applicable	160 mg
	11	Amitriptyline	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	-
		Nortriptyline	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	-
	12	Amlodipine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₃ EDTA	10 mg
	13	Amphotericin B	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	200 to 400 mg
	14	Alectinib	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	K ₂ EDTA	50mg
	15	Alectinib	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	K ₂ EDTA	150 mg
	16	Alendronate	LC-MS/MS (API 3000)	Human Urine	1 to 256 ng / mL	Not applicable	-
	17	Anastrozole	LC-MS/MS (API 3000)	Human Plasma	0.1 to 26 ng / mL	K ₂ EDTA	1 mg
	18	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	0.500 to 500 ng/mL	K ₂ EDTA	10 mg
	19	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	2.5 to 2500 ng/mL	K ₂ EDTA	60 mg
	20	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	-	
21	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	-	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	22	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	-	
	23	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)	Dog Plasma	1 to 250 ng / mL	K ₂ EDTA	-	
		p-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K ₂ EDTA	-	
	24	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	-	
	25	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	-		
26	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	20 to 8000 ng/mL	K ₂ EDTA	300 mg		
27	Axitinib	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K ₂ EDTA	5 mg	Yes	
28	Azithromycin	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	Sodium heparin	600 mg		
Location : India								
INDIA	29	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	300 mg	
	30	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 12000 ng / mL	K ₂ EDTA	600 mg	
		Lamivudine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	300 mg	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
31	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 10000 ng / mL	K ₂ EDTA	300mg	
	Lamivudine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 5000 ng / mL	K ₂ EDTA	150mg	
32	Abiraterone	LC-MS/MS (Thermo)	Human Plasma	0.250 to 100 ng/mL	K ₂ EDTA	250 mg	
33	Acamprosate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 400 ng / mL	K ₂ EDTA	2 X 333 mg i.e. 666mg dose	
34	Acetazolamide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg/mL	K ₂ EDTA	500 mg	Yes
35	Aceclofenac	LC-MS/MS (API 2000)	Human Plasma	75 to 22000 ng / mL	Sodium heparin	100 mg	
36	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	-	
37	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	-	
38	Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 750 ng / mL	K ₂ EDTA	25 mg	
39	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	-	
40	Acitretin	LC-MS/MS (Shimadzu 8060)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	25 mg	
	13-Cis - Acitretinin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	-	
41	Acrivastine	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	8mg	
42	Allopurinol	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	300 mg	
43	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	-	
44	Amantadine	LC-MS/MS (Thermo)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	100 mg	
45	Ambrisentan	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	10 mg	
46	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	Sodium heparin	5 mg / 10 mg	
47	*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	
48	*Amlodipine (R)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 5 ng / mL	Sodium heparin	5 mg / 10 mg	
	*Amlodipine (S)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 7.5 ng / mL	Sodium heparin	5 mg / 10 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	49	*Amlodipine (R)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 5 ng/mL	K ₂ EDTA	5 mg	
		*Amlodipine (S)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 7 ng/mL	K ₂ EDTA	5 mg	
	50	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	
	51	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	
	52	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.1 to 15 ng / mL	K ₂ EDTA	10 mg	
		Valsartan	LC-MS/MS (API 4000)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	320 mg	
	53	Amlodipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 10 ng / mL	K ₂ EDTA	10 mg	
		Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	80 mg	
	54	Amiloride	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 20 ng / mL	K ₂ EDTA	5 mg	
	55	Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	200 mg	
	56	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	-	
	57	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	-	
	58	Amitriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	25 mg	
		Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 18 ng/mL	K ₂ EDTA	-	
	59	Amitriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 90 ng/mL	K ₂ EDTA	25mg	
	60	Amitriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 30 ng/mL	K ₂ EDTA	10 mg	
61	Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	150 mg		
	N-desethyl Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	-		
62	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 35 µg / mL	K ₂ EDTA	1 gm		
63	Amoxicillin	HPLC-UV	Human Plasma	0.5 to 15 µg / mL	K ₂ EDTA / Heparin	500 mg		
64	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 µg / mL	K ₂ EDTA	250 mg		
65	Amoxicillin	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	75 to 35000 ng / mL	Sodium heparin	500 mg		
66	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		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	67	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	
	68	Amphotericin B	HPLC-UV	Human Plasma	0.25 to 10 µg / mL	K ₂ EDTA	2 mg	
	69	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	
	70	Amphotericin B	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	100 to 2000 pg / mL	K ₂ EDTA	NA	
	71	*Amphotericin B (free) (Liposomal)	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	50mg/vial	
	72	Albendazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 150 ng / mL	K ₂ EDTA	400mg	
		Albendazole Sulfoxide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K ₂ EDTA	NA	
	73	Albuterol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 30 ng/mL	K ₂ EDTA	4 mg	
	74	*Alendronate	LC-MS/MS (API 4000)	Human Urine	2 to 600 ng / mL	NA	70 mg	
	75	*Alendronate	LC-MS/MS (API 4000)	Human Plasma	0.3 to 150 ng / mL	K ₂ EDTA	70 mg	
	76	*Alendronate	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K ₂ EDTA	10 mg	
	77	Alogliptin	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg	
	78	Alogliptin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	12.5 mg	
	79	Alverine	LC-MS/MS (API 4000)	Human Plasma	20 to 7500 pg/mL	K ₂ EDTA	120 mg	
	80	Anastrozole	LC-MS/MS (API 3200)	Human Plasma	0.25 to 25 ng / mL	Sodium heparin	1 mg	
	81	*Anagrelide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K ₃ EDTA	0.5 mg	
	82	Apixaban	LC-MS/MS (Thermo)	Human Plasma	0.25 to 300 ng / mL	K ₂ EDTA	50 mg	
	83	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg of Vinpocetine	
	84	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 180 ng / mL	K ₂ EDTA	15 mg of Vinpocetine	
	85	Apremilast	LC-MS/MS (API 4000)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	30 mg	
	86	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	-	
	87	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	10 mg	
	88	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	5 mg	
	89	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		
90	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	300 mg		
91	Atazanavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	300 mg		
89	Atazanavir	LC-MS/MS (API 4000)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	300 mg		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	90	Atenolol	HPLC - Fluorescence	Human Plasma	10 to 800 ng / mL	K ₂ EDTA / Heparin	100 mg	
	91	Atenolol	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg	
		Nifedipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	20 mg	
	92	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	-	
	93	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.3 to 300 ng / mL	K ₂ EDTA	80 mg	Yes
		O-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.25 to 150 ng / mL	K ₂ EDTA	-	
		P-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K ₂ EDTA	-	
	94	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.3 to 125 ng / mL	K ₂ EDTA	40 mg	Yes
		O-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.25 to 70 ng / mL	K ₂ EDTA	-	
		P-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	-	
	95	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	20 mg	
	96	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K ₂ EDTA	40 mg	
	97	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 150 ng / mL	K ₂ EDTA	80 mg	
	98	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 150 ng/mL	K ₂ EDTA	80 Mg	
	99	Atovaquone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	250 mg	
	99	Atovaquone	LC-MS/MS (API 3200)	Human Plasma	30 to 7500 ng/mL	K ₂ EDTA	750 mg / 5 mL	Yes
	100	Atovaquone	LC-MS/MS (API 4000)	Human Plasma	100 to 20000 ng/mL	K ₂ EDTA	750 mg / 5 mL fed	
	101	*5-Azacytidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	Sodium heparin	100 mg	
102	Azathioprine	LC-MS/MS (Thermo)	Human Plasma	0.15 to 50 ng/mL	K ₂ EDTA	50 mg		
103	*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	-		
104	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	600 mg		
105	Azithromycin	LC-MS/MS (Shimadzu 8045)	Human Plasma	5 to 1010 ng/mL	K ₂ EDTA	200mg/5 mL		
106	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	1 to 250 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
B							
Location : Canada							
CANADA	107	Barnidipine	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 ng/mL	K ₂ EDTA	20 mg
	108	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	10 mg
	109	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
	110	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
	111	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	-
	112	Budesonide	LC-MS/MS (API 6500)	Human Plasma	20 to 10000 pg/mL	Sodium heparin	3 x 3 mg
	113	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	-
	114	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	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
115	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	-	
116	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	-	
117	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	-	
118	Buprenorphine	LC-MS/MS (API 6500)	Human Plasma	25 to 10000 pg / mL	Sodium heparin	8 mg	
	Norbuprenorphine	LC-MS/MS (API 6500)	Human Plasma	50 to 10000 pg / mL	Sodium heparin	-	
119	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	-	
120	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	0.4 to 77 ng / mL	K ₃ EDTA	-	
	1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	1.6 to 307.2 ng / mL	K ₃ EDTA	-	
121	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma or Rat Plasma or Dog Plasma	0.05 to 10 ng / mL	Sodium heparin	-	
	1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma or Rat Plasma or Dog Plasma	0.2 to 38 ng / mL	Sodium heparin	-	

CANADA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	122	Buspirone	LC-MS/MS (API 300 or 3000)	Human Plasma or Rat Plasma or Dog Plasma	0.4 to 50 ng / mL	Heparin	-	
		1-(2-Pyrimidyl) Piperazine	LC-MS/MS (API 300 or 3000)	Human Plasma or Rat Plasma or Dog Plasma	0.4 to 50 ng / mL	Heparin	-	
	123	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	124	*Baclofen(R & S)	LC-MS/MS (Shimadzu 8045)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	25 mg	Yes
	125	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	-	
	126	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	-	
	127	Bendroflumethiazide	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng/mL	K ₂ EDTA	5mg	
	128	Bendroflumethiazide	LC-MS/MS (Thermo)	Human Plasma	0.1 to 70 ng/mL	K ₂ EDTA	2.5 mg	
		Bendroflumethiazide impurity	LC-MS/MS (Thermo)	Human Plasma	0.1 to 15 ng/mL	K ₂ EDTA	2.5 mg	
	129	*Betahistine	LC-MS/MS (API 6500)	Human Plasma	7.5 to 2000 pg/mL	K ₂ EDTA	24 and 48 mg	
	130	Bexarotene	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	75 mg	
131	Bezafibrate	LC-MS/MS (API 4000)	Human Plasma	80 to 22000 ng/mL	K ₂ EDTA	200mg/400mg		
132	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	10 to to 1000 ng / mL	Heparin	25 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	133	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	50 to 2000 ng / mL	K ₂ EDTA / Heparin	50 mg	
	134	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	100 to 5000 ng / mL	K ₂ EDTA	150 mg	
	135	*Bicalutamide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg	
	136	*R- Bicalutamide	LC-MS/MS (API 3200)	Human Plasma	5 to 2500 ng/mL	K ₂ EDTA	150 mg	
		*S- Bicalutamide	LC-MS/MS (API 3200)	Human Plasma	4 to 1000 ng/mL	K ₂ EDTA	NA	
	137	Bisoprolol	LC-MS/MS (API 3200)	Human Plasma	0.5 to 80 ng / mL	K ₂ EDTA	10 mg	
	138	Bosentan	LC-MS/MS (API 3200)	Human Plasma	5 to 6000 ng / mL	K ₂ EDTA	125 mg	
	139	*Bortezomib	LC-MS/MS (Thermo)	Rat Plasma	0.5 to 500 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (Subcutaneous)	
	140	*Bortezomib	LC-MS/MS (Waters QPXE)	Rat Plasma	2 to 8000 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (IV)	
	140	Brexipiprazole	LC-MS/MS (Thermo)	Human Plasma	0.25 to 60 ng / mL	K ₂ EDTA	2mg	
	141	*Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 4000 pg / mL	K ₂ EDTA	3 mg	
	142	Budesonide	LC-MS/MS (Thermo)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	3 X 3 mg	
	143	Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	3X3 mg	
	144	Budesonide	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	3 mg	
	145	Buspirone	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 30000 pg / mL	K ₂ EDTA	15 mg	
	146	Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	300 mg/150mg	
	147	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	-	
	148	*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	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	149	Bupropion	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	300 mg	
		Hydroxy Bupropion	LC-MS/MS (API 6500)	Human Plasma	2 to 1500 ng/mL,	K ₂ EDTA	-	
		Erythro Hydro Bupropion	LC-MS/MS (API 6500)	Human Plasma	0.5 to 176 ng/mL	K ₂ EDTA	-	
		Threo Hydro Bupropion	LC-MS/MS (API 6500)	Human Plasma	1.5 to 1000 ng/mL	K ₂ EDTA	-	
	150	*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	151	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	-	
	152	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	-	
	153	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Lithium heparin	500 mg	
	154	Cefixime	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	400 mg	
	155	Cefuroxime	HPLC-UV	Human Plasma	0.2 to 27 µg / mL	K ₂ EDTA	500 mg	
	156	Cefuroxime	LC-MS/MS (Thermo)	Human Plasma	100 to 20135 ng / mL	K ₂ EDTA	500 mg	
	157	Celecoxib	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	200 mg	
	158	Celecoxib	LC-MS/MS (API 3000)	Human Plasma	20 to 2560 ng / mL	K ₂ EDTA	200 mg	
	159	Cephalexin	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	K ₃ EDTA	-	
	160	Cetirizine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	10 mg	
	161	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	
162	Chlorpheniramine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	K ₂ EDTA	8 mg / 5 mL		
163	Chlorthalidone	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng/mL	K ₂ EDTA	50 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	164	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	
	165	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	
	166	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-	
	167	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K ₃ EDTA	-	
	168	Ciprofloxacin	HPLC-UV	Human Urine	1.5 to 15 µg / mL	Not applicable	-	
		Desethylenciprofloxacin	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	-	
	169	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 32 ng / mL	Heparin	-	
	170	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	-	
	171	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	-	
	172	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	-	
	173	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	-		
174	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	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	175	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	-	
	176	Clarithromycin	LC-MS/MS (API 300 or 3000)	Human Plasma	20 to 5120 ng / mL	Sodium heparin	-	
	177	Clavulanic Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	25 to 1600 ng / mL	Sodium heparin	125 mg	
	178	Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 600 ng/mL	K ₂ EDTA	20mg	
		N-Desmethyl Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 500 ng/mL	K ₂ EDTA	20mg	
	179	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	2 mg / mL	
	180	Clonazepam	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	-	
	181	Clonidine	LC-MS/MS (Thermo)	Human Plasma	0.03 to 2 ng / mL	K ₂ EDTA	0.3 mg	
	182	Clopidogrel	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	Sodium heparin	300 mg	
	183	Clopidogrel Carboxylic Acid	LC-MS/MS (Thermo)	Human Plasma	0.049 to 25 µg / mL	K ₂ EDTA	300 mg of Clopidogrel	
	184	Clopidogrel Thiol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	300 mg of Clopidogrel	
	185	Codeine	LC-MS/MS (Thermo)	Human Plasma	0.7 to 400 ng / mL	K ₂ EDTA	30 mg	
	185	Crisaborole	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng / mL	K ₂ EDTA	2% Ointment(50 mg & 100 mg)	
186	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	187	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)	
	188	Cabazitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 500 ng / mL	K ₂ EDTA	15 to 25 mg / m ²	
	189	Cabazitaxel (Free)	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K ₂ EDTA	Multiple dose	
	190	*Cabergoline	LC-MS/MS (API 6500)	Human Plasma	0.5 to 80 pg / mL	K ₃ EDTA	2 X 0.5 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	191	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 750 ng / mL	K ₂ EDTA	32 mg	
	192	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	16 mg	
	193	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 160 ng / mL	K ₂ EDTA	8 mg	
	194	Candesartan	LC-MS/MS (API 3200)	Human Plasma	5 to 750 ng/ml	K ₂ EDTA	32 mg	
	195	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	500 mg (multiple dosing)	
	196	*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	-	
	197	*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	
	198	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	-	
	199	S-Methyl N,N-Diethyl dithiocarbamate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 50 ng/mL	K ₂ EDTA	200 mg	Yes
	200	S-Methyl N,N-Diethyl dithiocarbamate	LC-MS/MS (API 6500)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	200 mg	Yes
	201	Carbamazepine	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	K ₂ EDTA	300 / 400 mg	
	202	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	0.5 to 20 µg / mL	K ₂ EDTA	400 mg (steady state)	
	203	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	-	
	204	*Carprofen	LC-MS/MS (API 3200)	Beagle Dog Plasma	0.5 to 100 µg / mL	K ₂ EDTA	100 mg	
	205	Captopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	25 mg	
	206	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.7 to 230 ng / mL	K ₂ EDTA	25 mg	
207	Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	12.5 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
208	*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	-	
209	*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	-	
210	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Heparin	500 mg	
211	Cefadroxil	HPLC-UV	Human Plasma	0.5 to 50 µg / mL	Heparin	500 mg	
212	Cefdinir	HPLC-UV	Human Plasma	0.035 to 5 ng / mL	Heparin	250 mg	
213	Cefixime	HPLC-UV	Human Plasma	0.05 to 8 µg / mL	K ₂ EDTA / Heparin	400 mg	
214	Ceftazidime	HPLC-UV	Human Plasma	0.3 to 60 µg / mL	Heparin	1 g injection	
215	Cefpodoxime	LC-MS/MS (Shimadzu 8045)	Human Plasma	25 to 5000 ng/mL	K ₂ EDTA	100 mg	Yes
216	Cefuroxime	HPLC-UV	Human Plasma	0.3 to 35 µg / mL	Heparin	750 mg injection	
217	Cefuroxime	HPLC-UV	Human Plasma	0.075 to 13 µg / mL	Heparin	500 mg	
218	Cefuroxime	LC-MS/MS (Waters QPXE)	Human Plasma	0.025 to 7.5 µg / mL	K ₂ EDTA	250 mg	
219	Celecoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	Heparin	200 mg / 400 mg	
220	Cephalexin	HPLC-UV	Human Plasma	0.3 to 40 µg / mL	Heparin	500 mg	
221	Cetirizine	LC-MS/MS (Shimadzu 8045)	Human Plasma	5 to 600 ng / mL	Sodium heparin	10 mg	
222	Cetirizine	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	10 mg	
223	Chlorthalidone	HPLC-UV	Human Plasma	10 to 500 ng / mL	CPD	25 mg	
224	Chlorthalidone	HPLC-UV	Human Plasma	50 to 3000 ng / mL	CPD	200 mg	
225	Cilostazol	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	100 mg	
226	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 150 ng / mL	K ₂ EDTA	90 mg	
227	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	90 mg	
228	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA	750 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	229	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	Heparin	200 mg	
	230	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	800 mg	
	231	Citalopram	HPLC - Fluorescence	Human Plasma	2 to 80 ng / mL	Heparin	40 mg	
	232	Citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	40 mg	
	233	*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	-	
	234	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	-	
	235	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	-	
	236	S-citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	10 mg / 20 mg	
	237	S-citalopram	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	10 mg / 20 mg	
	238	*Citric Acid	LC-MS/MS (Waters QPXE)	Human Urine, Artificial Matrix	5 to 1500 µg / mL	N/AP	15mEq	
	239	Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	500 mg	
	240	14- hydroxy Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	-	
		Clavulanic acid	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 5000 ng/mL	Sodium heparin	125 mg	
	241	Clavulanic acid	HPLC-UV	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA / Heparin	125 mg	
	242	Clindamycin	LC-MS/MS (API 2000)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	300 mg	
	243	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	10 mg	
	244	Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 600 ng / mL	K ₂ EDTA	2.5 mg/mL (total 20 mg)	
245	N-desmethyl clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 500 ng / mL	K ₂ EDTA	-		
	*Clonidine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 600 pg / mL	K ₂ EDTA	0.1 mg		
246	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 4000 pg / mL	Heparin	75 mg		
247	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 8000 pg / mL	Sodium heparin	300 mg (fasting study)		
248	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	0.1 to 40 ng / mL	Sodium heparin	300 mg (Fed study)		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	249	*Clopidogrel	LC-MS/MS (Shimadzu 8060)	Human Plasma	5 to 4000 pg / mL	Sodium heparin	75 mg (Fasting)	
	250	Clopidogrel	LC-MS/MS (API 6500)	Human Plasma	5 to 4000 pg/mL	Sodium heparin	75 mg	
	251	Clopidogrel Carboxy acid	LC-MS/MS (API 2000)	Human Plasma	30 to 5000 ng / mL	Heparin	75 mg of clopidogrel	
	252	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	200 mg multiple dose	
	253	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	K ₂ EDTA	12.5 mg	
	254	Colchicine	LC-MS/MS (API 4000)	Human Plasma	25 to 6000 pg / mL	K ₂ EDTA	500 mcg	
	255	Cyclophosphamide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	Multiple dose	
	256	Cycloserine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 20 µg / mL	K ₂ EDTA	250mg	
D								
Location : Canada								
CANADA	257	Darunavir	LC-MS/MS (API 3000)	Human Plasma	10 to 6400 ng / mL	K ₂ EDTA	600 mg	
	258	Dexamethasone	LC-MS/MS (Thermo)	Human Plasma	0.2 to 60 ng / mL	K ₂ EDTA	0.5 mg	
	259	Dextroamphetamine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	K ₂ EDTA	30 mg	
	260	Dextromethorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K ₂ EDTA	60 mg	
		Detrorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	NA	
	261	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	-	
	262	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	
	263	Diclofenac	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	1 % gel	
	264	Didanosine	LC-MS/MS (API 3000)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	-	
	265	Dienogest	LC-MS/MS (Thermo)	Human Plasma	3 to 120 ng / mL	K ₂ EDTA	2 mg	
	266	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	-		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
267	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	-	
268	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	-	
269	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	-	
270	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	-	
271	Diphenhydramine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	25 to 38 mg	
272	Donepezil	LC-MS/MS (Thermo)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	10 mg	
273	Doxazosin	HPLC - Fluorescence	Human Plasma	0.5 to 128 ng / mL	Heparin	-	
274	Doxepine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K ₂ EDTA	100 mg	
	Nordoxepine	LC-MS/MS (Thermo)	Human Plasma	0.101 to 50.476 ng/mL	K ₂ EDTA	-	
275	Doxycycline	HPLC-UV	Human Plasma	80 to 5120 ng / mL	Heparin	-	
276	Duloxetine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg	
277	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg	
278	Dutasteride	LC-MS/MS (Thermo)	Human Plasma	60 to 5120 pg / mL	K ₂ EDTA	0.5 mg	

CANADA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
279	*Dabigatran [Total- (Conjugated + Unconjugated)]	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	Sodium Citrate	150 mg	
280	*Dabigatran (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
281	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
282	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Sprague Dawley Rat plasma	5 to 10000 ng / mL	Sodium Citrate	Multiple dose	
283	Daclatasvir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng/mL	K ₂ EDTA	60 mg	
284	*11-dehydro Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.1 to 20 ng / mL	NA	NA	
285	Dalfampridine/Fampridine	LC-MS/MS (API 3200)	Human Plasma	0.2 to 60 ng / mL	K ₂ EDTA	10 mg	
286	Dapsone	LC-MS/MS (API 4000)	Human Plasma	0.05 to 50 ng/mL	K ₂ EDTA	5 % gel	Yes
287	Dapsone	LC-MS/MS (API 4000)	Human Plasma	0.02 to 10 ng/mL	K ₂ EDTA	5% gel	
288	Darunavir	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 ng / mL	K ₂ EDTA	600 mg / 800 mg	
289	Dasatinib	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	100mg	
290	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	
291	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	
292	Dexibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 µg / mL	K ₂ EDTA	400 mg	
293	Dexketoprofen	LC-MS/MS (API 2000)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	25 mg / 50 mg	
294	Dexamethasone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 60 ng / mL	K ₃ EDTA	2 mg	
295	Deferasirox	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg / mL	K ₂ EDTA	250 mg /360 mg / 500 mg	
296	*Diazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	10 mg	
297	Diazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 750 ng/mL	K ₂ EDTA	5 mg/mL	
298	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	5 to 2000 ng / mL	Heparin	50 mg	
299	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	75 mg / 100 mg	
300	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	75 mg / 100 mg	
301	Diclofenac	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	22 mg	
302	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	0.075 to 25 ng / mL	K ₂ EDTA	1 % gel	
303	Dienogest	LC-MS/MS (API 6500)	Human Plasma	1 to 120 ng/mL	K ₂ EDTA	2mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
304	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	-	
305	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	-	
306	*2,3-Dinor-6-keto prostaglandin F1 α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.5 to 25 ng / mL	NA	NA	
307	Dipyridamole	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	200 mg	
308	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	200 mg	
309	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 ng / mL	K ₂ EDTA	200 mg multiple dose	
310	Docetaxel	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	20 mg / 0.5 mL injection	
311	Docetaxel (total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 15000 ng / mL	K ₂ EDTA	Multiple dose	
312	*Docetaxel	LC-MS/MS (Waters QPXE)	Beagle Dog Plasma	10 to 4000 ng / mL	K ₂ EDTA	80mg / 2mL	
313	*Docetaxel (free)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 300 ng / mL	K ₂ EDTA	Multiple dose	
314	Dofetilide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 6000 pg / mL	K ₂ EDTA	0.5 mg	
315	Dofetilide	LC-MS/MS (API 6500)	Human Plasma	20 to 6000 pg / mL	K ₂ EDTA	0.5 mg	
316	Domperidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	10 mg	
317	Donepezil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	10 mg	
318	Dronedarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	400 mg (fed study)	
	N-desbutyl dronedarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	-	
319	Dronedarone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	400 mg (fed study)	
	N-desbutyl dronedarone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	-	
320	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	-	
321	Drospirenone	LC-MS/MS (API 4000)	Human Plasma	0.5 to 175 ng / mL	K ₂ EDTA	6 mg	
322	Drotaverine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	80 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	323	Dolutegravir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	50 mg	
	324	Doxazosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 16 ng / mL	K ₂ EDTA	1 mg	
	325	Doxorubicin (Encapsulated and total)	LC-MS/MS (Waters QPXE)	Human Plasma	150 to 60000 ng / mL	K ₃ EDTA	50mg / m2	
	326	*Doxorubicin(Free)	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 750 ng/mL	K ₃ EDTA	50 mg/m2	Yes
	327	*Doxorubicinol	LC-MS/MS (API 6500)	Human Plasma	0.1 to 20 ng / mL	K ₃ EDTA	50mg / m2	
	328	Doxylamine	LC-MS/MS (API 3200)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	20 mg	
	329	Duloxetine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 ng/mL	Heparin	60 mg	
	330	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	331	Efavirenz	LC-MS (API 150)	Human Plasma	0.02 to 5 µg / mL	Sodium heparin	-	
	332	Eliglustat	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	84mg	
	333	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	-	
	334	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	-	
	335	Eprosartan	LC-MS/MS (Thermo)	Human Plasma	5 to 3840 ng / mL	K ₂ EDTA	-	
	336	Esomeprazole	LC-MS/MS (Thermo)	Human Plasma	1 to 2000 ng / mL	K ₂ EDTA	20 mg	
	337	17 β-Estradiol	LC-MS/MS (API 6500)	Human Plasma	1 to 100 pg/mL	K ₂ EDTA	0.1 % Gel	
	338	Etodolac	HPLC-UV	Human Plasma	0.25 to 32 µg / mL	Heparin	-	
	339	Ethinyl Estradiol	LC-MS/MS (Thermo)	Human Plasma	3 to 128 pg / mL	K ₂ EDTA	0.03 mg	
	340	Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K ₂ EDTA	20 mcg	
	341	Exemestane	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	25 mg	
342	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	343	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	-	
	344	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	-	
	345	Ebastine	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K ₂ EDTA	20 mg Film Coated/Orodisposable tablet	
		Carebastine	LC-MS/MS (API 4000)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	20 mg Film Coated/Orodisposable tablet	
	346	Ebastine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 12000 pg/mL	K ₂ EDTA	20mg	
		Carebastine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	NA	
	347	Efavirenz	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	600 mg	
	348	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	600 mg	
	349	Eliglustat	LC-MS/MS (Thermo)	Human Plasma	0.2 to 100 ng/mL	K ₂ EDTA	84 mg	
	350	*Ethinyl estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 300 pg / mL	K ₂ EDTA	0.035mg / 0.07 mg	
	351	*Ethinyl estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.5 to 200 pg / mL	K ₂ EDTA	0.02 mg	
	352	*Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K ₂ EDTA	20 mcg	
	353	Emtricitabin	LC-MS/MS (API 4000)	Human Plasma	20 to 6000 ng / mL	K ₂ EDTA	200 mg	
	354	Empagliflozin	LC-MS/MS (API 4000)	Human Plasma	2 to 1000 ng/mL	K ₂ EDTA	25 mg	
	355	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	600 mg	
	356	Endoxifen	LC-MS/MS (Thermo)	Human Plasma	25 to 10000 pg / mL	K ₂ EDTA	0.5mg to 4.0 mg (Multiple dosing)	
	357	Endoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	40 mg	
	358	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	-		
359	Enalapril	LC-MS/MS (Thermo)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	2.5 mg		
	Enalaprilat	LC-MS/MS (Thermo)	Human Plasma	0.2 to 50 ng / mL	K ₂ EDTA	-		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	360	Entacapone	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	Sodium heparin	200 mg	
	361	Eplerenone	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	Sodium heparin	50 mg	
	362	Eprosartan	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	300 mg	
	363	Erlotinib	LC-MS/MS (API 3200)	Human Plasma	3 to 3000 ng / mL	K ₂ EDTA	150 mg	
	364	Erlotinib	LC-MS/MS (API 4000)	Human Plasma	3 to 3000 ng / mL	K ₂ EDTA	150 mg	
	365	Eslicarbazepine	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	800mg	
	366	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 3000 ng / mL	K ₂ EDTA	20 mg	
	367	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	40 mg	
	368	*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)	
	369	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 100 pg / mL	K ₂ EDTA	10 mcg / 20 mcg	
	370	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 600 pg / mL	K ₃ EDTA	1.5 mg	
	371	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 800 pg / mL	K ₂ EDTA	0.01 % vaginal cream	
	372	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K ₂ EDTA	1 mg	
	373	*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	-	
	374	*Estrone (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 60 ng / mL	K ₂ EDTA	1 mg of Estradiol	
	375	Ethosuximide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	40 to 10000 ng/mL	K ₂ EDTA	250 mg	
	376	Etoricoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	120 mg	
	377	Everolimus	LC-MS/MS (Shimadzu 8045)	Human Blood	0.5 to 200 ng/mL	K ₂ EDTA	10mg	
	378	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.25 to 50 ng / mL	Sodium heparin	25 mg	
	379	*Ezetimibe (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	Sodium Heparin	10 mg	
	380	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	Sodium heparin	10 mg	
	381	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.075 to 30 ng / mL	Sodium Heparin	10 mg	
	382	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	-	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
F							
Location : Canada							
383	Famotidine	HPLC-UV	Human Plasma	5 to 640 ng / mL	Heparin	-	
384	Felodipine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 13 ng / mL	K ₂ EDTA	10 mg	
385	Fenofibric acid	LC-MS/MS (API 3000)	Human Plasma	50 to 19200 ng / mL	K ₂ EDTA	135 mg	
386	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	-	
387	Fenofibric acid	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Sodium heparin	-	
388	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	Sodium heparin	-	
389	Fenofibric acid	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 µg / mL	K ₂ EDTA	215 mg	
390	Fentanyl	LC-MS/MS (API 3000)	Human Plasma	0.02 to 20 ng / mL	Sodium heparin	-	
391	Fexofenadine	HPLC - Fluorescence	Human Plasma	5 to 640 ng / mL	Sodium heparin	-	
392	Fexofenadine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	180 mg	
393	Fexofenadine	LC-MS/MS (Thermo)	Human Plasma	3 to 3500 ng/mL	K ₂ EDTA	180mg	
394	Fingolimod	LC-MS/MS (Thermo)	Human Blood	25 to 500 pg / mL	K ₂ EDTA	3 X 0.5 mg	
395	Fingolimod Phosphate	LC-MS/MS (Waters QPXE)	Human Blood	75 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
396	Fluconazole	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	150 mg	
397	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	-	
398	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	-	
399	Flupenthixol	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₂ EDTA	10 mg	
400	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	1 to 32 pg / mL	K ₂ EDTA	-	
401	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	5 to 640 pg / mL	K ₂ EDTA	-	
402	Fluvastatin	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-	

CANADA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	403	Fluvoxamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-	
	404	Fulvestrant	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 40 ng / mL	Sodium heparin	50 mg	
	405	Fulvestrant	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K ₂ EDTA	50 mg	
Location : India								
INDIA	406	Fat analysis in food	FTIR	Human food & cucumber pulp	1 to 10 g% total fat(expressed as triglyceride) sample weigh: 0.5 g	NA	NA	
	407	Fat analysis in fecal	FTIR	Human Fecal	0.5 to 15 g% total fat	NA	60 mg	
	408	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K ₂ EDTA	80 mg	
	409	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	120 mg	
	410	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 µg / mL	K ₂ EDTA	135 mg	
	411	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg /mL	K ₂ EDTA	267 mg	
	412	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng /mL	K ₂ EDTA	80 mg	
	413	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng /mL	K ₂ EDTA	80 mg (steady state)	
	414	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	-	
	415	*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	-	
	416	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Heparin	5 mg	
	417	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	Heparin	1 mg	
	418	Finasteride	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 3000 pg/mL	K ₂ EDTA	0.1% Lipid Solution	
419	*Fingolimod	LC-MS/MS (API 4000)	Human Blood	25 to 3000 pg / mL	K ₂ EDTA	3 X 0.5 mg		
420	Finglolimod	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	10 to 1000 pg/mL	K ₂ EDTA	0.5mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	421	*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	
	422	*Fingolimod Phosphate	LC-MS/MS (Thermo)	Human Blood	75 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
	423	*Fingolimod Phosphate	LC-MS/MS (API 6500)	Human Blood	50 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
	424	Flucloxacilin	HPLC-UV	Human Plasma	0.3 to 20 µg / mL	NA	500 mg	
	425	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.050 to 50 µg / mL	K ₂ EDTA	500 mg	
	426	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 µg / mL	K ₂ EDTA	1 gm	
	427	Fluconazole	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	150 mg	
	428	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	-	
	429	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 50 ng / mL	K ₂ EDTA	40 mg	
	430	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 100 ng / mL	K ₂ EDTA	60 mg	
	431	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.5 to 10 ng / mL	K ₂ EDTA	10 mg	
	432	*Fluticasone Propionate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K ₂ EDTA	500 µg	
	432	*Fluticasone	LC-MS/MS (Shimadzu 8060)	Human Plasma	1 to 200 pg/mL	K ₂ EDTA	500 µg	
	433	Fluvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 500 ng / mL	Heparin	40 mg / 80 mg	
	434	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 200 ng / mL	Heparin	40 mg	
	435	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	Heparin	80 mg	
	436	*Formoterol	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.4 to 150 pg/mL	K ₂ EDTA	24 µg	
	437	Fosfomycin	LC-MS/MS (Thermo)	Human Plasma	0.6 to 80 ng/mL	K ₂ EDTA	5.631mg	
	438	Fulvestrant	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 20 ng / mL	K ₂ EDTA	250 mg	
439	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	40 mg		
440	Furosemide	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K ₂ EDTA	80 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
G								
Location : Canada								
CANADA	441	Gabapentin	LC-MS/MS (API 3000)	Human Plasma	75 to 9600 ng / mL	K ₂ EDTA	600 mg	
	442	Galantamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 63 ng / mL	K ₂ EDTA	8 mg	
	443	Ganciclovir	HPLC - Fluorescence	Human Plasma	30 to 1920 ng / mL	K ₃ EDTA	-	
	444	Gatifloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-	
	445	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K ₃ EDTA	4 mg	
	446	Glipizide	HPLC-UV	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-	
	447	Glipizide	LC-MS (API 150)	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-	
	448	Glipizide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
	449	Glipizide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 640 ng / mL	K ₂ EDTA	10 mg	
	450	Glyburide	LC-MS (API 150)	Human Plasma	2 to 128 ng / mL	K ₃ EDTA	-	
	451	Griseofulvin	LC-MS/MS (API 300 or 3000)	Human Plasma	15 to 3840 ng / mL	K ₃ EDTA	-	
	452	Granisetron	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	K ₂ EDTA	-	
	453	Guaifenesin	LC-MS	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
	454	Guaifenesin	LC-MS/MS (Thermo)	Human Plasma	10 to 5120 ng/mL	K ₂ EDTA	-	
Location : India								
INDIA	455	Gabapentin	LC-MS/MS (API 3200)	Human Plasma	50 to 7500 ng / mL	K ₂ EDTA	400 / 800 mg	
	456	Gabapentin	LC-MS/MS (API 2000)	Human Plasma	150 to 10000 ng / mL	K ₂ EDTA	1200 / 800 mg	
	457	Gabapentin	LC-MS/MS (API 4000)	Human Plasma	25 to 9000 ng/mL	K ₂ EDTA	600mg	
	458	Galantamine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 75 ng / mL	K ₂ EDTA	8 mg	
	459	Gefitinib	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 350 ng / mL	K ₂ EDTA	250 mg	
	460	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	K ₂ EDTA	1000 mg / m2	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	461	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	Sodium heparin	1000 mg / m2	
	462	*Gestodene	LC-MS/MS (API 6500)	Human Plasma	30 to 6000 pg/mL	K ₂ EDTA	0.06 & 0.075	
	463	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	80 mg	
	464	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	60 mg	
	465	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	30 mg	
	466	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 5000 ng/mL	K ₂ EDTA	60mg	
	467	Glimepiride	LC-MS/MS (API 2000)	Human Plasma	3 to 600 ng / mL	Heparin	4 mg	
	468	Glimepiride	LC-MS/MS (API 3200)	Human Plasma	3 to 1200 ng/mL	K ₂ EDTA	6 mg	
	469	Glipizide	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1000 ng / mL	K ₂ EDTA	10 mg	
	470	*Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	1 mg/vial	
	471	Glucosamin	LC-MS/MS (Thermo)	Human Plasma	15 to 2000 ng / mL	K ₂ EDTA	750mg	
	472	*Glycopyrronium	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 400 pg / mL	K ₂ EDTA	50 mcg	
	473	Guaifenesin	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	1200 mg	
H								
Location : Canada								
CANADA	474	Hydrocodone	LC-MS/MS (Thermo)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	7.5 mg / 5 mL	
	475	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	-	
	476	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	-	
	477	Hydrochlorthiazide	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	K ₂ EDTA	12.5 mg to 25 mg	
	478	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	32 mg	
479	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	480	Haloperidol	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg/mL	K ₂ EDTA	-
	481	Haloperidol	LC-MS/MS (API 6500)	Human Plasma	20 to 7500 pg/mL	K ₂ EDTA	5 mg
	482	Hydralazine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 125 ng / mL	K ₂ EDTA	50 mg
	483	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg / 12.5 mg
	484	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg
	485	Hydrochlorothiazide	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg / 25 mg
	486	Hydrochlorothiazide	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	12.5 mg / 25 mg
		Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	80 mg
	487	Hydrochlorothiazide	LC-MS/MS (Thermo)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	12.5 mg / 25 mg
		Telmisartan	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	80 mg
	488	Hydrochlorothiazide	LC-MS/MS (API 6500)	Human Plasma	1 to 400 ng/mL	K ₂ EDTA	25 mg
		Telmisartan	LC-MS/MS (API 6500)	Human Plasma	2 to 1000 ng/mL	K ₂ EDTA	80 mg
	489	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
	490	Hydrocortisone	LC-MS/MS (API 3200)	Human Urine	0.25 to 100 ng / mL	Not applicable	-
	491	*Hydrocortisone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	20 mg
492	Hydroxychloroquine	LC-MS/MS (API 3200)	Human Blood	5 to 500 ng / mL	K ₂ EDTA	200 mg	
493	5-Hydroxytryptophan	LC-MS/MS (API 4000)	Human Plasma	10 to 1000 ng / mL	K ₂ EDTA	100 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
I							
Location : Canada							
CANADA	494	Ibuprofen	HPLC-UV	Human Plasma	0.4 to 512 µg / mL	Sodium heparin	200 mg
	495	Ibuprofen	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 µg / mL	K ₂ EDTA	600 mg
	496	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
	497	Imatinib	LC-MS/MS (Thermo)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg
	498	Indapamide	HPLC-UV	Human Whole Blood	10 to 1280 ng / mL	Heparin	-
	499	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	-
	500	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	-
	501	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
502	S-Ketrolac	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	32 mg	
Location : India							
INDIA	503	*Ibandronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	Heparin	50 mg
	504	*Ibandronate	LC-MS/MS (API 4000)	Human Plasma	0.75 to 300 ng / mL	Heparin	150 mg
	505	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg/ mL	Heparin	600 mg
	506	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg/mL	Sodium heparin	200mg
	507	Ibuprofen	HPLC-UV	Human Plasma	1 to 100 µg / mL	Heparin	800 mg
	508	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg / mL	Sodium heparin	100mg & 200mg
	509	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 90 µg/mL	K ₂ EDTA	400mg
	510	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	511	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 7500 ng / mL	K ₂ EDTA	400 mg (multiple dosing)	
	512	Imatinib	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	100 mg	
	513	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 7000 ng/mL	K ₂ EDTA	400 mg single and 400mg multiple dose	
	514	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	-	
	515	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	-	
	516	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	-	
	517	Irbesartan	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	Sodium heparin	300 mg	
	518	Iron Sucrose (Total Iron)	Vitros 5.1,FS	Human Serum	100.050 to 4504.500 µg/mL	NA	20mg/mL	
		Iron Sucrose (Transferrin Bound Iron)	Vitros 5.1,FS	Human Serum	20.007 to 560.560µg/mL			
	519	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	-	
	520	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	-	
521	Isosorbide	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	120 mg		
522	*Isotretinoin	LC-MS/MS (API 4000)	Human Plasma	10 to 1500 ng / mL	K ₂ EDTA	40 mg		
523	Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 1500 ng / mL	K ₂ EDTA	40 mg (fed study)		
524	*Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 600 ng / mL	K ₂ EDTA	40 mg (fasting study)		
525	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	300mg/200 mg/100 mg		
526	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng/mL	K ₂ EDTA	300 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	527	*Isotretinoin	LC-MS/MS (Waters QPXE)	Sprague Dawley Rat Skin	0.75 to 500 ng / mL	NA	NA	
	528	*Isotretinoin	LC-MS/MS (Waters QPXE)	Rabbit Skin	0.75 to 500 ng / mL	NA	NA	
	529	Ivabradine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	7.5 mg	
K								
Location : India								
INDIA	530	3-Ketodesogestrel	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 pg / mL	K ₂ EDTA	0.3 mg of desogestrel	
	531	*6-Keto prostaglandin F1 α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.125 to 10 ng / mL	NA	NA	
	532	Ketoconazole	HPLC - Fluorescence	Human Plasma	0.05 to 5 μ g / mL	CPD	200 mg	
L								
Location : Canada								
CANADA	533	Labetalol	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	200 mg	
	534	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	50 mg	
	535	Lansoprazole	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 4096 ng / mL	Sodium heparin	30 mg	
	536	Leuprolide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	K ₂ EDTA	-	
	537	Letrozole	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	2.5 mg	
	538	Levetiracetam	LC-MS (API 150)	Human Plasma	0.5 to 24 μ g / mL	K ₃ EDTA	-	
	539	Levetiracetam	LC-MS/MS (API 3000)	Human Plasma	0.375 to 48 μ g / mL	K ₂ EDTA	1 gm	
	540	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 64 ng / mL	Lithium heparin	-	
	541	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 128 ng / mL	Heparin	-	
	542	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 256 ng / mL	Lithium heparin	-	
	543	Loperamide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	2 mg	
	544	Loratadine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-	
		Descarboethoxyloratadine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-	
Pseudoephedrine		LC-MS/MS (API 3000)	Human Plasma	2.5 to 1280 ng / mL	Heparin	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	545	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	-	
	546	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5000 pg / mL	K ₂ EDTA	5mg	
		Descarboethoxyloratadine	LC-MS/MS (API 6500)	Human Plasma	10 to 10000 pg / mL	K ₂ EDTA	-	
		Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	2.5 to 1250 ng / mL	K ₂ EDTA	120 mg	
	547	Loratadine	LC-MS/MS (API 6500)	Human Plasma	40 to 12000 pg/mL	K ₂ EDTA	10 mg	
		Desloratadine	LC-MS/MS (API 6500)	Human Plasma	40 to 12000 pg/mL	K ₂ EDTA	N/AP	
		Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	5 to 1600 ng/mL	K ₂ EDTA	240 mg	
	548	Lormetazepam	LC-MS/MS (Thermo)	Human Plasma	0.06 to 8 ng / mL	K ₂ EDTA	-	
	549	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	-	
	550	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	551	Lacidipine	LC-MS/MS (API 4000)	Human Plasma	0.025 to 20 ng / mL	K ₂ EDTA	4 mg / 6 mg	
	552	Lacosamide	LC-MS/MS (API 3200)	Human Plasma	25 to 10000 ng / mL	K ₂ EDTA	200 mg	
	553	Lamivudine	LC-MS/MS (API 2000)	Human Plasma	25 to 3000 ng / mL	Heparin	150 mg	
	554	Lamivudine	LC-MS/MS (Thermo)	Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	300 mg	
	555	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	
	556	Lamotrigine	LC-MS/MS (API 3200)	Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	200 mg	
	557	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	50mg	
	558	Lansoprazole	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	Heparin	30 mg	
	559	Lapatinib	LC-MS/MS (API 2000)	Human Plasma	15 to 6000 ng / mL	K ₂ EDTA	1250 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
560	Ledipasvir	LC-MS/MS (API 4000)	Human Plasma	5 to 800 ng / mL	K ₂ EDTA	90 mg	
	Sofosbuvir	LC-MS/MS (API 4000)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	400 mg	
561	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	10 mg	
562	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	25 mg	
563	Lercanidipine	LC-MS/MS (API 3200)	Human Plasma	0.025 to 12 ng / mL	Heparin	20 mg	
564	*Lercanidipine (R & S)	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 pg / mL	Sodium heparin	10 mg	
565	*Lercanidipine (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 ng / mL	Heparin	20 mg	
566	*Lercanidipine (R & S)	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 16000 pg / mL	Sodium heparin	20 mg	
567	Letrozole	LC-MS/MS (API 3200)	Human Plasma	1 to 80 ng / mL	Heparin	2.5 mg	
568	Levetiracetam	LC-MS/MS (API 3200)	Human Plasma	0.25 to 40 µg / mL	Heparin	1000 mg	
569	Levetiracetam	LC-MS/MS (Thermo)	Human Plasma	0.25 to 25 µg /mL	Sodium heparin	750 mg	
570	Levocetirizine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	5 mg	
571	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	
572	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	
573	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	
574	Levofloxacin	HPLC-UV	Human Plasma	0.1 to 12 µg / mL	Heparin	500 mg	
575	Levofloxacin	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 16000 ng/mL	K ₂ EDTA	750 mg	
576	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.2 to 75 ng / mL	K ₂ EDTA	1.5 mg	
577	Levonorgestrel	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 ng / mL	K ₂ EDTA	1.5 mg	
578	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K ₂ EDTA	0.15 mg	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	579	Levonorgestrel	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 15000 pg/mL	K ₂ EDTA	-	
	580	*Levosalbutamol (Levabuterol)	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 750 pg/mL	K ₂ EDTA	45X2 µg	
	581	*Levothyroxin (T4)	LC-MS/MS (API 3200)	Human Serum	5 to 300 ng / mL	NA	600 mcg	
	582	Levothyroxine	LC-MS/MS (Shimadzu 8045)	Human Serum	5 to 300 ng/mL	NA	600 mcg	
	583	Linagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 10 ng / mL	K ₂ EDTA	2.5 mg / 5 mg	
	584	Linagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 15 ng/mL	K ₂ EDTA	5 mg	
	585	Linezolid	LC-MS/MS (API 3200)	Human Plasma	50 to 25000 ng / mL	K ₂ EDTA	600 mg	
	586	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng /mL	K ₂ EDTA	40 mg	
	587	Lisinopril	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	10 mg	
	588	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	10 mg	
	589	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.7 to 250 ng/mL	K ₂ EDTA	20mg	
	590	Lithium Carbonate	Vitros 5.1,FS	Human Serum	0.274 to 3.754 mol/L	NA	450mg	
	591	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	-	
	592	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	
	593	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	
	594	Lopinavir	LC-MS/MS (Waters XEVO TQS)	Human Plasma	30 to 20000 ng/mL	K ₂ EDTA	400 mg	Yes
Ritonavir		LC-MS/MS (Waters XEVO TQS)	Human Plasma	2.5 to 1600 ng/mL	K ₂ EDTA	100 mg		
595	Lornoxicam	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	8 mg		
596	Loratadine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 15 ng / mL	K ₂ EDTA	10 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	597	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5100 pg / mL	K ₂ EDTA	5 mg	
		Desloratadine	LC-MS/MS (API 6500)	Human Plasma	25 to 10500 pg / mL	K ₂ EDTA	-	
	598	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	-	
	599	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	-	
	600	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	50 mg	
	601	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 1500 ng / mL	K ₂ EDTA	100 mg	
	602	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	-	
		Hydrochlorothiazide	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	25 mg	
	603	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-amlopidine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	5 mg	
	604	*15-hydroxy lubiprostone	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K ₂ EDTA	48 mcg of lubiprostone	
	605	Lumefantrine	LC-MS/MS (API 4000)	Human Plasma	50 to 20250 ng / mL	K ₂ EDTA	480 mg	
	606	Lurasidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	40 mg	
	607	Lurasidone	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	40 mg	
	608	Lurasidone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 200 ng / mL	K ₂ EDTA	40 mg	
	609	*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	-		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
M							
Location : Canada							
CANADA	610	Meclizine	LC-MS/MS (API 3000)	Human Plasma	1.01 to 256 ng / mL	K ₂ EDTA	25 mg
	611	Mefanamic Acid	HPLC-UV	Human Plasma	50 to 6400 ng / mL	K ₂ EDTA	-
	612	Mefanamic Acid	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	250 mg
	613	Medroxyprogesterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-
	614	Medroxyprogesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 pg/mL	Sodium heparin	150 mg
	615	Megestrol Acetate	LC-MS/MS (Thermo)	Human Plasma	0.3 to 153.6 ng/mL	K ₂ EDTA	40 mg / mL
	616	Meloxicam	HPLC-UV	Human Plasma or Dog Plasma	0.03 to 1.92 µg / mL	K ₂ EDTA	-
	617	Meloxicam	LC-MS/MS (API 3000)	Human Urine	1 to 128 ng / mL	Not applicable	-
	618	Meloxicam	LC-MS/MS (API 3000)	Human Plasma	10 to 2560 ng / mL	K ₂ EDTA	15 mg
	619	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	Heparin	-
	620	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	K ₃ EDTA	-
	621	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K ₃ EDTA	-
	622	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	-
	623	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.026 to 15 ng/mL	K ₂ EDTA	20 mg
	624	L-Threo-Methylphenidate	LC-MS/MS (API 6500)	Human Plasma	1 to 195 pg/mL	K ₂ EDTA	18 mg
		D-Threo-Methylphenidate	LC-MS/MS (API 6500)	Human Plasma	25 to 9800 pg/mL	K ₂ EDTA	NA
	625	Methylphenidate Achiral	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	54 mg
	626	Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	100 to 30000 pg/mL(D)	K ₂ EDTA	54 mg
		Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	50 to 4000 pg/mL(L)	K ₂ EDTA	54 mg
	627	Methylphenidate Chiral(L&D)	LC-MS/MS (Thermo)	Human Plasma	15 to 3000 pg/mL (L)	Sodium fluoride & Potassium oxalate	60 mg
Methylphenidate Chiral(L&D)		LC-MS/MS (Thermo)	Human Plasma	200 to 40000 pg/mL (D)	Sodium fluoride & Potassium oxalate	60 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	628	Methylprednisolone	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	Sodium fluoride potassium oxalate	-	
	629	Metoprolol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	200 mg	
	630	Metformin	LC-MS/MS (API 3000)	Human Plasma	10.01 to 2002 ng / mL	K ₂ EDTA	1000 mg	
	631	Metformin	LC-MS (API 150)	Human Urine	2 to 256 µg / mL	Not applicable	1000 mg	
	632	Methazolamide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 10000 ng / mL	K ₂ EDTA	150 mg	
	633	Methazolamide	LC-MS/MS (Waters QPXE)	Human Whole Blood	100 to 50000 ng / mL	K ₂ EDTA	150 mg	
	634	Methazolamide	LC-MS/MS (Thermo)	Human Plasma	5 to 9800 ng/mL	K ₂ EDTA	150 mg	
	635	Minocycline	LC-MS/MS (Thermo)	Human Plasma	4 to 3500 ng / mL	K ₂ EDTA	45 mg to 135 mg	
	636	Mirtazapine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	-	
	637	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	-	
	638	Monomethyl fumarate	LC-MS/MS (API 6500)	Human Plasma	10 to 6000 ng/mL	K ₂ EDTA	120 mg	
	639	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		
	640	Mycophenolic Acid	HPLC-UV	Human Plasma	0.1 to 51 µg / mL	K ₂ EDTA	-	
	641	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	-		
642	6-Methoxy-2-Naphthaleneacetic Acid	HPLC - Fluorescence	Human Plasma	0.5 to 32 µg / mL	Heparin	-		
Location : India								
INDIA	643	Mebendazole	LC-MS/MS (API 4000)	Human Plasma	0.2 to 125 ng / mL	K ₂ EDTA	500mg	
	644	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	
	645	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	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
646	*Medroxy Progesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 8000 pg / mL	Sodium Heparin	150 mg	
647	Medroxy Progesterone	LC-MS/MS (Shimadzu 8060)	Human Plasma	50 to 8000 pg/mL	Sodium heparin	150 mg	Yes
648	Mefenamic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 10000 ng/mL	K ₂ EDTA	250mg	
649	Megestrol Acetate	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	160 mg	
650	Melatonin	LC-MS/MS (API 4000)	Human Plasma	25 to 10000 pg / mL	K ₂ EDTA	5 mg	
651	Melatonin	LC-MS/MS (API 6500)	Human Plasma	25 to 15000 pg/mL	K ₂ EDTA	3mg	
652	Meloxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 3000 ng / mL	K ₂ EDTA	15 mg	
653	Meloxicam	LC-MS/MS (API 4000)	Human Plasma	20 to 3000 ng/mL	K ₂ EDTA	15 mg	
654	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg	
655	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	20 mg	
656	Memantine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	20 mg	
657	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	28 mg	
658	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 700 ng / mL	K ₂ EDTA	1000 mg	
659	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	1.2 gm	
660	Mesalamine	LC-MS/MS (API 4000)	Human Plasma	2 to 700 ng / mL	K ₂ EDTA	1000 mg rectal suppository	
661	Mesalamine	LC-MS/MS (Thermo)	Human Plasma	5 to 3000 ng/mL	K ₂ EDTA	1000 mg	
	N-Acetyl Mesalamine	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	1000 mg	
662	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500 mg	
663	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	Sodium heparin	1000 mg	
664	Metformin	LC-MS/MS (API 3200)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500mg	
665	Methazolamide	LC-MS/MS (Thermo)	Human Blood	25 to 15000 ng/mL	K ₂ EDTA	50 mg	
666	Methimazole	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng/mL	K ₂ EDTA	20 mg	Yes
667	Methocarbamol	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 µg/mL	K ₂ EDTA	750mg	
668	Methotrexate	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	2.5 mg multiple dose	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	669	*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	
	670	Methylprednisolone	LC-MS/MS (API 4000)	Human Plasma	0.4 to 50 ng/mL	Sodium fluoride and Potassium oxalate	80 mg/mL (Multi Dose Vials)	
	671	Methylprednisolone	LC-MS/MS (API 4000)	Human Plasma	0.4 to 75 ng/mL	Sodium fluoride and Potassium oxalate	4 mg	
	672	Metoprolol	LC-MS/MS (API 4000)	Human Plasma	0.3 to 50 ng /mL	Heparin	23.75 mg	
	673	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng /mL	Heparin	47.5 / 50 mg	
	674	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.75 to 300 ng /mL	Sodium Heparin	100 / 200 mg	
	675	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	-	
	676	Milnacipran	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	50 mg	
	677	Miltefosine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	100/150 mg	
	678	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	Heparin	90 mg	
	679	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 3500 ng /mL	K ₂ EDTA	135 mg	
	680	Minoxidil	LC-MS/MS (API 4000)	Human Serum	50 to 4000 pg / mL	NA	5% lipid solution	
	681	Mirabegron	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	50 mg	
	682	Mirabegron	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	50mg	
	683	Misoprostol Acid	LC-MS/MS (API 6500)	Human Plasma	5 to 750 pg / mL	K ₂ EDTA	0.2 mg (fed study)	
	684	*Misoprostol Acid	LC-MS/MS (API 4000)	Human Plasma	10 to 1700 pg / mL	K ₂ EDTA	0.2 mg (fasting study)	
685	Moexipril	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	15 mg		
686	Monomethyl Fumarate	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	240 mg DMF		
687	Monomethyl Fumarate	LC-MS/MS (API 6500)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	120 mg	Yes	
688	Monomethyl Fumarate	LC-MS/MS (Shimadzu 8045)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	240 mg	Yes	
689	Monoxidine	LC-MS/MS (Thermo)	Human Plasma	30 to 7500 pg/mL	K ₂ EDTA	400 µg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	690	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	Heparin	10 mg	
	691	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	5 mg	
	692	Moxifloxacin	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	400 mg	
	693	Moxifloxacin	LC-MS/MS (API 4000)	Human Plasma	15 to 6000 ng / mL	Sodium heparin	400 mg	
	694	Mycophenolate Mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 10 ng/mL	K ₂ EDTA	250 mg	
		Mycophenolic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 25000 ng/mL	K ₂ EDTA	NA	
	695	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	-	
	696	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg / mL	K ₂ EDTA	360 mg	
	697	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng / mL	K ₂ EDTA	180 mg	
	698	Mycophenolic acid	LC-MS/MS (API 3200)	Human Plasma	50 to 16000 ng/mL	K ₂ EDTA	180 mg	
	699	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	700	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	-	
	701	Naloxone	LC-MS/MS (API 6500)	Human Plasma	1 to 500 pg/mL	K ₂ EDTA	20 mg	Yes
	702	Naloxone-3-β-D-Glucuronide	LC-MS/MS (API 6500)	Human Plasma	1 to 300 ng/mL	K ₂ EDTA	20 mg	Yes
		Oxycodone	LC-MS/MS (API 6500)	Human Plasma	0.5 to 150 ng/mL	K ₂ EDTA	40 mg	
	703	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	-	
	704	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	-	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	705	Naproxen	HPLC - Fluorescence	Human Plasma	0.5 to 128 µg / mL	Heparin	-	
	706	Nebivolol	LC-MS/MS (API 6500)	Human Plasma	15 to 5000 pg/mL	K ₂ EDTA	5 mg	
	707	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	-	
	708	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	-	
	709	Nifedipine	LC-MS (API 150)	Human Plasma	0.5 to 200 ng / mL	K ₃ EDTA	60 mg	
	710	Nifedipine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	60 mg	
	711	Nintedanib	LC-MS/MS (Thermo)	Human Plasma	0.050- 20 ng/mL	K ₂ EDTA	150mg	
	712	Nitrofurantoin	HPLC-UV	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-	
	713	Nizatidine	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Heparin	300 mg	
		Desmethylnizatidine	HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-	
	714	Norfloxacin	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	K ₃ EDTA	-	
	715	Nortriptyline	HPLC-UV	Human Plasma	1 to 64 ng / mL	K ₃ EDTA	-	
	716	Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	0.35 mg / 1 mg	
717	S-Norketotifen	LC-MS/MS (Thermo)	Human Plasma	1 - 1000 ng/mL	K ₂ EDTA	4 mg/8mg/16mg		
	R- Norketotifen	LC-MS/MS (Thermo)	Human Plasma	1 - 1000 ng/mL	K ₂ EDTA	NA		
Location : India								
INDIA	718	*Nabilone	LC-MS/MS (Thermo)	Human Plasma	40 to 5000 pg / mL	K ₂ EDTA	0.3 mg	
	719	Nadolol	LC-MS/MS (API 4000)	Human Plasma	0.25 to 45 ng / mL	K ₂ EDTA	20 mg	
	720	Nadolol	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	80 mg	
	721	Naloxegol	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.1 to 125 ng/mL	K ₂ EDTA	25 mg	
	722	Naltrexone	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 35500 pg / mL	Heparin	50 mg	
	723	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	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	724	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	-	
	725	Naratriptan	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 ng / mL	Heparin	2.5 mg	
	726	Naproxen	LC-MS/MS (API 2000)	Human Plasma	500 to 50000 ng /mL	K ₂ EDTA	200 mg	
	727	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg	
	728	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	
	729	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	
	730	Nateglinide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	120 mg	
	731	Nebivolol	LC-MS/MS (API 4000)	Human Plasma	0.075 to 20 ng / mL	Heparin	20 mg	
	732	Nevirapine	HPLC-UV	Human Plasma	100 to 4000 ng / mL	CPD	200 mg	
	733	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 2000 ng / mL	K ₂ EDTA	1000 mg / 750 mg	
	734	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	500 mg	
	735	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 2000 ng / mL	K ₂ EDTA	1000 mg	
		*Nicotinic acid	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	-	
	736	Nicorandil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	20 mg	
	737	Nifedipine	LC-MS/MS (API 2000)	Human Plasma	2.5 to 250 ng / mL	K ₂ EDTA	60 mg / 90 mg	
	738	Nimodipine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	30 mg	
	739	Nintedanib	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 75 ng/mL	K ₂ EDTA	150 mg	Yes
740	*Nitrazepam	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	5 mg		
741	Nitrofurantoin	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	100 mg		
742	Nizatidine	HPLC-UV	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA / Heparin	300 mg		
743	Nomegestrol Acetate	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.1 to 20 ng / mL	K ₃ EDTA	2.5 mg		
744	19-Norethindrone	LC-MS/MS (API 4000)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg		
745	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	0.075 to 15 ng / mL	K ₂ EDTA	1 mg		
746	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	0.35 mg		
747	Nortriptyline	LC-MS/MS (Thermo)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	50 mg		
748	Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 20 ng / mL	K ₂ EDTA	25 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
O							
Location : Canada							
749	Olanzapine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg	
750	Olmesartan	LC-MS/MS (API 3000)	Human Plasma	6 to 1536 ng / mL	K ₂ EDTA	40 mg	
	Hydrochlorothiazide	LC-MS/MS (API 3000)	Human Plasma	2.01 to 512.46 ng / mL	K ₂ EDTA	25 mg	
751	Omeprazole	LC-MS/MS (API 3000)	Human Plasma	1 to 1024 ng / mL	Sodium heparin	-	
752	Omeprazole	LC-MS/MS (Thermo)	Human Plasma	5 to 3450 ng / mL	K ₂ EDTA	40 mg	
753	Ondansetron	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Lithium heparin	8 mg	
754	Oxcarbazepine	LC-MS/MS (API 3000)	Human Plasma	0.01 to 10 µg / mL	K ₂ EDTA	300 mg/ 5 mL	
755	10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51.2 µg / mL	K ₂ EDTA	-	
756	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	-	
757	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K ₂ EDTA	5 mg	
758	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	80 mg	
759	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	-	
760	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	-	
761	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	-	
762	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	-	
763	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	-	
764	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	
765	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	0.025 to 8.000 ng/mL	K ₂ EDTA	20 mg	
	Hydroxy Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	0.025 to 8.000 ng/mL	K ₂ EDTA	20 mg	

CANADA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
766	*Orlistate (Fat analysis)	FT-IR	Human Fecal/ Human Food	0.25 to 10 g %	NA	60 mg / 120 mg	
767	Oglimilast (GRC 3886)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	200 mg	
	Oglimilast N-Oxide (GRC 3886 N-Oxide)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	-	
768	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	Sodium heparin	5 mg	
769	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 45 ng / mL	Sodium Heparin	10 mg	
770	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 1500 ng / mL	K ₂ EDTA	20 mg	
771	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	0.25 to 500 ng / mL	K ₂ EDTA	5 mg	
772	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	5 to 4500 ng/mL	K ₂ EDTA	40 mg	Yes
773	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	10 mg	
774	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K ₂ EDTA	20 mg	
775	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	40 mg	
776	Omeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 2200 ng/ml	K ₂ EDTA	20 mg	
777	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	Heparin	8 mg	
778	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	8 mg	
779	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	50 mg	
780	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	100 mg	
781	Ospemifene	LC-MS/MS (Waters QPXE)	Human Serum	3 to 2400 ng / mL	NA	60 mg	
782	*Oxazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	50 mg	
783	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	-	
784	*Oxybutynin (S & R)	LC-MS/MS (API 4000)	Human Plasma	25 to 7500 pg / mL	K ₂ EDTA	5 mg	
785	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	-	
786	Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.08 to 15 ng / mL	K ₂ EDTA	15 mg	
	N-Desethyl Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 75 ng / mL	K ₂ EDTA	-	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
P							
Location : Canada							
CANADA	787	Pantoprazole	LC-MS/MS (API 3000)	Human Plasma	20 to 5120 ng / mL	K ₂ EDTA	40 mg
	788	Paroxetine	HPLC - Fluorescence	Human Plasma	0.2 to 50 ng / mL	Sodium heparin	-
	789	Paroxetine	HPLC - Fluorescence	Human Plasma	1.6 to 200 ng / mL	Sodium heparin	-
	790	Pentoxifylline	HPLC-UV	Human Plasma	5 to 240 ng / mL	K ₃ EDTA	-
	791	Pergolide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 1.28 ng / mL	Heparin	-
	792	Phenylephrine (Total)	LC-MS/MS (Thermo)	Human Plasma	4 to 512 ng / mL	K ₂ EDTA	10 mg
	793	Phenytoin	HPLC-UV	Human Plasma	0.04 to 2.56 µg / mL	K ₃ EDTA	-
	794	Phytonadione- Trans	LC-MS/MS (API 6500)	Human Plasma	0.3 to 100 ng/mL	K ₂ EDTA	5 mg
		Phytonadione- Cis	LC-MS/MS (API 6500)	Human Plasma	0.3 to 100 ng/mL	K ₂ EDTA	5 mg
	795	Phytonadione- Trans	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	5 mg
		Phytonadione- Cis	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	5 mg
	796	Pramipexole	LC-MS/MS (Thermo)	Human Plasma	50 to 3200 pg / mL	K ₂ EDTA	-
	797	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng / mL	K ₂ EDTA	10 mg of Prasugrel
	798	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (Thermo)	Human Plasma	0.25 to 127 ng / mL	K ₂ EDTA	10 mg of Prasugrel
	799	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	-
	800	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	-
	801	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	-
	802	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	-	
803	Progesterone	LC-MS/MS (API 6500)	Human Plasma	0.04 to 40 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
Location : India							
804	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4500 ng / mL	Heparin	175 mg	
805	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Whole Blood	50 to 30000 ng / mL	Heparin	220 mg / m2 (IV)	
806	*Paclitaxel (Free)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	Heparin	220 mg / m2 (IV)	
807	Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	25 to 25000ng / mL	K ₂ EDTA	100 mg	
808	Paclitaxel (Free)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	10 to 5000 ng / mL	K ₂ EDTA	21.7 (mg/kg)	
809	Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Blood	25 to 25000 ng / mL	K ₂ EDTA	-	
810	*Paricalcitol	LC-MS/MS (Waters XEVO TQ-S)	Wistar Rat Plasma	50 to 30500 pg / mL	Sodium heparin	Multiple dose	
811	Palbociclib	LC-MS/MS (Shimadzu 8045)	Human Plasma	0.2 to 150 ng/mL	K ₂ EDTA	125 mg	
812	Paliperidone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	6 mg	
813	Paracetamol	LC-MS/MS (API 3200)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	300 mg / 500 mg	
814	Paracetamol	LC-MS/MS (Shimadzu 8045)	Human Plasma	50 to 10000 ng/mL	K ₂ EDTA	665 mg	
815	Paracetamol	LC-MS/MS (Shimadzu 8045)	Human Plasma	50 to 24000 ng/mL	K ₂ EDTA	665x2 mg	
816	Paroxetine	LC-MS/MS (API 6500)	Human Plasma	0.03 to 35 ng/mL	K ₂ EDTA	37.5 mg	
817	Paroxetine	LC-MS/MS (API 4000)	Human Plasma	0.25 to 125 ng/mL	K ₂ EDTA	37.5 mg	
818	Pantoprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 5000 ng / mL	Heparin	40 mg	
819	Penciclovir	LC-MS/MS (API 4000)	Human Plasma	20 to 8000 ng / mL	K ₂ EDTA	500 mg	
820	Penicillin V	HPLC-UV	Human Plasma	0.1 to 4 µg / mL	Heparin	250 mg	
821	Perampanel	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng / mL	K ₂ EDTA	12 mg	
822	Perphenazine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 2500 pg / mL	K ₂ EDTA	16 mg	
823	Phenytoin	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	300mg (3X100mg)	
824	Phenyl butyrate	LC-MS/MS (API 3200)	Human Plasma	0.1 to 50 µg / mL	K ₂ EDTA	500 mg	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	*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)		
	826	*Phytonadione (Vitamin K1) (Trans)	LC-MS/MS (API 6500)	UV light exposed human plasma, Human Plasma	0.4 to 100 ng / mL	K ₂ EDTA	5 mg fasting	
		*Phytonadione (Vitamin K1) (Cis)	LC-MS/MS (API 6500)	UV light exposed human plasma, Human Plasma	0.3 to 25 ng / mL	K ₂ EDTA	5 mg fasting	
	827	*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)	
	828	*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	-	
	829	Pioglitazone	LC-MS/MS (API 2000)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
	830	Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
	831	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	-	
	832	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	
	833	Pirfenidone	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	3 X 267 mg	
	834	Pirfenidone	LC-MS/MS (Thermo)	Human Plasma	50 to 30000 ng / mL	K ₂ EDTA	3 X 267 mg	Yes
	835	Pirfenidone	LC-MS/MS (Shimadzu 8060)	Human Plasma	50 to 30000 ng / mL	K ₂ EDTA	801 mg	
836	Piroxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA	20 mg		
837	PNB-001	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	CT study(NCE)		
838	Potassium Chloride	Vitros 5.1,FS	Human Urine	2.041 to 150.358 mEq/L	NA	80mEq		
839	Potassium Citrate (Analyte - Potassium)	Vitros 5.1,FS	Human Urine	2 to 150 mmol/L	NA	60 mEq (4 X 15 mEq)		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
840	Pomalidomide	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 125 ng / mL	K ₂ EDTA	4 mg	
841	Pramipexole	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 1000 pg / mL	K ₂ EDTA	0.25 mg	
842	*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	
843	*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	
844	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng/mL	K ₂ EDTA	10 mg of Prasugrel	
845	*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	
846	*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	
847	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	-	
848	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	-	
849	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	40 mg/ 80 mg	
850	Prednisolone	LC-MS/MS (API 3200)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	25 mg	
851	Prednisolone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	5 mg	
852	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 15000 ng / mL	K ₂ EDTA	300 mg	
853	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 2500 ng / mL	K ₂ EDTA	50 mg	
854	Pregabalin	LC-MS/MS (Shimadzu 8040)	Human Plasma	20 to 5000 ng /mL	K ₂ EDTA	75 mg	
855	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 7000 ng/mL	K ₂ EDTA	165 mg	
856	Prochlorperazine	LC-MS/MS (API 4000)	Human Plasma	5 to 300 pg / mL	Heparin	5 mg	
857	Prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 300 pg / mL	Sodium heparin	3 mg	
858	prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 700 pg / mL	Sodium heparin	3 mg (buccal tablet)	
859	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	0.04 to 40 ng / mL	K ₂ EDTA	200 mg (fasting)	
860	*Progesterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 150 ng / mL	K ₂ EDTA	200 mg (fed)	
861	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K ₂ EDTA	100 mg	
862	Proguanil	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	100 mg	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	863	Promethazine	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng/mL	K ₂ EDTA	25 mg	
	864	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	-	
	865	Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	300 mg / 500 mg	
	866	S-Propranolol (Total)	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	40 mg	
	867	Propylthiouracil	LC-MS/MS (Waters QPXE)	Human Plasma	7.5 to 4000 ng / mL	K ₂ EDTA	50 mg	
	868	Pseudoephedrine	LC-MS/MS (API 3200)	Human Plasma	2 to 400 ng / mL	Heparin	30 mg	
	869	Pyrazinamide	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 30000 ng/mL	K ₂ EDTA	600 mg	
	870	2-Pyridylacetic acid	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 800 ng / mL	K ₂ EDTA	16 mg of Betahistine	
	871	2-Pyridyl acetic acid	LC-MS/MS (Thermo)	5% Selegiline buffered Human Plasma	10 to 1500 ng/mL	K ₂ EDTA	24 mg	
Q								
CANADA	Location : Canada							
	872	Quetiapine	LC-MS/MS (Thermo)	Human Plasma	1 to 1024 ng / mL	K ₂ EDTA	200 mg	
	873	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	20 mg	
INDIA	Location : India							
	874	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	-	
	875	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	-	
	876	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 350 ng / mL	Heparin	25 mg / 50 mg	
	877	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg	
	878	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	-	
	879	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	Sodium heparin	150 mg / 200 mg	
880	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	150 mg / 200 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	881	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	-	
	882	Quetiapine	LC-MS/MS (API 3200)	Human Plasma	20 to 2500 ng / mL	Sodium heparin	300 /400 mg	
	883	Quetiapine	LC-MS/MS (API 4000)	Human Plasma	1 to 1000 ng/mL	Sodium heparin	100 mg	Yes
	884	Quinapril	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng / mL	K ₃ EDTA	10 mg	
	885	Quinine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 5000 ng /mL	K ₂ EDTA	300 mg	
R								
Location : Canada								
CANADA	886	Rabeprazole	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	K ₂ EDTA	20 mg	
	887	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	-	
	888	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	-	
	889	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	-	
	890	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	-	
	891	Ranitidine	LC-MS/MS (Thermo)	Human Plasma	15 to 1920 ng / mL	K ₂ EDTA	300 mg	
	892	Rifabutin	LC-MS (API 150)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
		25-O-Desacetyl rifabutin	LC-MS (API 150)	Human Plasma	2.5 to 320 ng / mL	K ₂ EDTA	-	
		Clofazimine	LC-MS (API 150)	Human Plasma	5 to 640 ng / mL	K ₂ EDTA	-	
	893	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	35 mg	
	894	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 128 ng / mL	K ₂ EDTA	75 mg	
	895	Rivastigmine	LC-MS/MS (Thermo)	Human Plasma	0.3 to 63 ng / mL	K ₂ EDTA	Transdermal Patch 9.5 mg	
896	Rosiglitazone	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	Sodium heparin	8 mg		
897	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	20 mg		
898	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	40 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
899	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K ₃ EDTA/ Heparin	20 mg	
900	Rabeprazole	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg	
901	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg	
902	*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	-	
903	*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	-	
904	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	-	
905	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 150 ng / mL	Heparin	15 mg	
906	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.05 to 40 ng / mL	Heparin	2.5 mg / 5 mg	
907	Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng/mL	Sodium heparin	10mg	
908	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K ₂ EDTA	1000 mg	
909	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	1000 mg	
910	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng/mL	K ₂ EDTA	500 mg	
911	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	Heparin	150 / 300 mg	
912	Ranitidine	HPLC-UV	Human Plasma	25 to 1500 ng / mL	K ₂ EDTA / Heparin	300 mg	
913	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	5 to 600 ng / mL	K ₂ EDTA / Heparin	75 mg	
914	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 14000 pg / mL	K ₂ EDTA	1 mg (Fasting study)	
915	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 6000 pg/mL	K ₂ EDTA	1 mg (Fed study)	
916	Repaglinide	LC-MS/MS (API 3200)	Human Plasma	0.25 to 30 ng / mL	K ₂ EDTA	2 mg	
917	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	

INDIA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	918	Rifampicin	LC-MS/MS (API 4000)	Human Plasma	75 to 15000 ng /mL	K ₂ EDTA	150mg/300mg	
		25 Desacetyl Rifampicin	LC-MS/MS (API 4000)	Human Plasma	10 to 4000 ng /mL	K ₂ EDTA	NA	
	919	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K ₂ EDTA	550 mg	
	920	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng / mL	K ₂ EDTA	550 mg	
	921	Rifaximin	LC-MS/MS (API 6500)	Human Plasma	5 to 1500 pg/mL	K ₂ EDTA	200 mg	
	922	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	25 to 6000 pg/mL	K ₂ EDTA	550 mg	
	923	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	100 to 36000 pg/mL	K ₂ EDTA	550 mg	
	924	Rilpivirine	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 300 ng/mL	K ₂ EDTA	25mg	
	925	Rivaroxaban	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 125 ng / mL	K ₂ EDTA	2.5 mg	
	926	Rivaroxaban	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	10 mg / 20 mg	
	927	Rivaroxaban	LC-MS/MS (Shimadzu 8045)	Human Plasma	1 to 600 ng/mL	K ₂ EDTA	10 mg / 20 mg	
	928	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 80 ng / mL	Heparin	35 mg	
	929	*Risedronate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	30 to 80000 pg / mL	Sodium heparin	35 mg	
	930	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 160 ng / mL	Heparin	75 mg	
	931	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 250 ng / mL	Heparin	150 mg	
	932	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	-	
	933	Rizatriptan	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 60 ng / mL	K ₂ EDTA	10 mg	
	934	Rupatadine	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	10 mg	
	935	Ropinirole	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	2 mg	
936	Ropinirole	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 pg / mL	K ₂ EDTA	0.25 mg		
937	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	15 to 900 ng / mL	K ₂ EDTA	8 mg		
938	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng / mL	K ₂ EDTA	4 mg		
939	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	5 mg / 10 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	940	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.15 to 60 ng / mL	K ₂ EDTA	20 mg	
	941	Rosuvastatin	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	40 mg	
	942	Roxithromycin	LC-MS/MS (Shimadzu 8045)	Human Plasma	0.05 to 25 µg/mL	K ₂ EDTA	150 mg	
S								
Location : Canada								
CANADA	943	Sertraline	LC-MS/MS (API 3000)	Human Plasma	0.25 to 250 ng / mL	Sodium heparin	100 mg	
		N-Desmethysertraline	LC-MS/MS (API 3000)	Human Plasma	0.25 to 250 ng / mL	Sodium heparin	-	
	944	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	-	
	945	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	-	
	946	Sirolimus	LC-MS/MS (API 3000)	Human Whole Blood	0.4 to 51 ng / mL	K ₂ EDTA	2 mg	
	947	Sitagliptin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K ₂ EDTA	100 mg	
	948	Sotalol	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	heparin	-	
	949	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	
	950	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	-	
	951	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	
	952	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	-	
	953	Sumatriptan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng/mL	K ₂ EDTA	20 mg	
954	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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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
955	*Salmeterol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K ₂ EDTA	50 mcg	
956	Secnidazole	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 µg / mL	K ₂ EDTA	1 gm	
957	Sertraline	LC-MS/MS (API 3200)	Human Plasma	1 to 100 ng / mL	Sodium Heparin	100 mg	
958	Sertraline	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 40 ng / mL	Heparin	50 mg	
959	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	-	
960	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	-	
961	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	-	
962	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	-	
963	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	-	
964	Simvastatin	LC-MS/MS (Thermo)	Human Plasma	30 to 15000 pg / mL	Sodium heparin	10 mg	
965	Sirolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.15 to 25 ng / mL	K ₂ EDTA	2 mg	
966	Sirolimus	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg	
967	Sitagliptin	LC-MS/MS (API 4000)	Human Plasma	1 to 600 ng/mL	Sodium heparin	100mg/50mg	
968	Sitagliptin	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	Sodium Heparin	100mg	
969	Sofosbuvir	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	400 mg	Yes
970	Solifenacin	LC-MS/MS (Thermo)	Human Plasma	0.2 to 50 ng/mL	K ₂ EDTA	10 mg	
971	Sorafenib	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 6000 ng/mL	K ₂ EDTA	200 mg	
972	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	-	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	973	Spironolactone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	25 mg	
	974	Spironolactone	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.7 to 300 ng / mL	K ₂ EDTA	100 mg	
	975	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	
	976	Sumatriptan	LC-MS/MS (API 2000)	Human Plasma	1 to 100 ng / mL	Heparin	100 mg	
	977	Sunitinib	LC-MS/MS (API 4000)	Human Plasma	0.1 to 12 ng/mL	Sodium heparin	12.5 mg	Yes
	978	Sunitinib	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng/mL	Sodium heparin	50mg	
T								
Location : Canada								
CANADA	979	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	0.2 to 25 ng / mL	K ₂ EDTA	0.5 to 4 mg	
	980	Tamoxifen	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	20 mg	
	981	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	-	
	982	Tamsulosin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	-	
	983	Temazepam	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₂ EDTA	30 mg	
	984	Terazosin	HPLC - Fluorescence	Human Plasma	0.5 to 64 ng / mL	Heparin	-	
	985	Terbinafine	HPLC-UV	Human Plasma	0.01 to 2.5 µg / mL	K ₃ EDTA	250 mg	
	986	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	1% gel	
	987	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	-	
	988	Tetracycline	LC-MS/MS (Thermo)	Human Plasma	200 to 20000 ng / mL	K ₂ EDTA	500 mg	
	989	Theophylline	HPLC-UV	Human Plasma	0.15 to 19 µg / mL	K ₃ EDTA	-	
	990	Ticagrelor	LC-MS/MS (Thermo)	Human Plasma	2.5 to 1500 ng/mL	K ₂ EDTA	90mg	
Deshydroxyethoxy Ticagrelor		LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng/mL	K ₂ EDTA	90mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	991	Ticlopidine	HPLC-UV	Human Plasma	10 to 1280 ng / mL	K ₃ EDTA	-	
	992	Tofacitinib	LC-MS/MS (Thermo)	Human Plasma	0.2 - 100 ng/mL	K ₂ EDTA	11mg	
	993	Topiramate	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	5 to 2560 ng / mL	Sodium heparin	50 mg	
	994	Topiramate	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	Sodium heparin	200 mg	
	995	Torsemide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 10240 ng / mL	K ₃ EDTA	-	
	996	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	-	
	997	Tramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	2 to 1024 ng / mL	K ₂ EDTA	89 mg	
	998	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	-	
	999	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	-	
	1000	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	-	
	1001	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	-	
	1002	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 500 ng/mL	K ₂ EDTA	100 mg	
1003	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 800 ng/mL	K ₂ EDTA	200 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	1004	Trazodone	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Heparin	-	
	1005	Triamcinolone acetonide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 6.4 ng/mL	K ₂ EDTA	10 mg/mL	
	1006	Trimebutine	LC-MS/MS (Thermo)	Human Plasma	1 to 256 ng / mL	K ₂ EDTA	96 mg	
		N-Desmethyltrimbutine	LC-MS/MS (Thermo)	Human Plasma	10 to 2560 ng / mL	K ₂ EDTA	-	
Location : India								
INDIA	1007	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg	
	1008	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg / 1 mg	
	1009	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.25 to 100 ng / mL	K ₂ EDTA	5 mg	
	1010	*Tacrolimus	LC-MS/MS (Shimadzu 8060)	Human Blood	5 to 500 pg / mL	K ₂ EDTA	0.1 % gel	
	1011	Tacrolimus	LC-MS/MS (Thermo)	Human Blood	40 to 12000 pg/mL	K ₂ EDTA	1 mg	
	1012	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 1000 ng / mL	K ₂ EDTA	20 mg	
	1013	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	10 mg	
	1014	Tadalafil	LC-MS/MS (Shimadzu 8040)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	5 mg	
	1015	Tamsulosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	0.4 mg	
	1016	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	
	1017	Tapentadol	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 225 ng/mL	K ₂ EDTA	250 mg	
	1018	*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	
	1019	*Teicoplanin component (A 3)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 250 µg/ mL	K ₂ EDTA	400 mg injection	
	1020	Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	80 mg	
	1021	*Temozolomide	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 ng / mL	Heparin	250 mg	
	1022	*Temozolomide Metabolite (MTIC)	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 600 ng /mL	Heparin	250 mg of Temozolamide	
	1023	Teneligliptin	LC-MS/MS (Shimadzu 8045)	Human Plasma	10 to 800 ng/mL	K ₂ EDTA	2X20 mg	
	1024	Tenofovir	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	245 mg	
	1025	Tenofovir	LC-MS/MS (Waters QPXE)	Human Serum	3 to 800 ng / mL	NA	245 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	1026	Tenofovir	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	245 mg	
	1027	Tenofovir	LC-MS/MS (Thermo)	Human Plasma	0.5 to 25 ng/mL	K ₂ EDTA	25 mg	Yes
	1028	Tenofovir Alafenamide	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng/mL	K ₂ EDTA	25 mg	
	1029	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K ₂ EDTA / Heparin	20 mg	
	1030	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K ₂ EDTA / Heparin	20 mg	
	1031	*Tetranor-PGEM	LC-MS/MS (API 4000)	Human Urine	1 to 50 ng / mL	NA	NA	
	1032	Terbinafine	LC-MS/MS (API 2000)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	250 mg	
	1033	Teriflunomide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	K ₂ EDTA	14 mg	
	1034	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	1 % gel	
	1035	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	-	
	1036	Tetrabenazine	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg/mL	K ₂ EDTA	25 mg	
		DihydroxyTetrabenazine	LC-MS/MS (API 6500)	Human Plasma	0.2 to 250 ng/mL	K ₂ EDTA	25 mg	
	1037	Thalidomide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg	
	1038	Thiorphan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 160 ng / mL	K ₂ EDTA	30 mg of Racecadotril	
	1039	*Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.2 to 20 ng / mL	Not applicable	NA	
	1040	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	-	
	1041	Tofacitinib	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	5 mg	
	1042	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4mg	
1043	Tolterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4 mg		
1044	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 30000 pg / mL	Sodium heparin	4 mg (steady state)		
1045	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	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	1046	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	-	
	1047	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	-	
	1048	Tolvaptan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	30 mg	
	1049	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 4000 ng / mL	Heparin	50 / 100 mg	
	1050	Topiramate	LC-MS/MS (API 3200)	Human Plasma	10 to 600 ng / mL	Heparin	25 mg	
	1051	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	Sodium heparin	200 mg	
	1052	Torsemide	LC-MS/MS (API 3200)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	10 mg / 20 mg	
	1053	Tramadol	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	Heparin	37.5 mg / 50 mg	
	1054	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		
	1055	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	-	
	1056	Trazodone	LC-MS/MS (API 3200)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	100 mg	
	1036	Trazodone	LC-MS/MS (Shimadzu 8045)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	100 mg	
	1037	Triamcinolone Acetonide	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg / mL	K ₂ EDTA	40 mg / mL	
	1038	Trifluoperazine	LC-MS/MS (API 2000)	Human Plasma	0.05 to 10 ng / mL	CPD	-	
	1039	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	-	
1040	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 150 ng / mL	Heparin	35 mg		
1041	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 250 ng / mL	Heparin	35 mg multiple dose		
1042	Trimethoprim	HPLC-UV	Human Plasma	0.025 to 2.5 µg / mL	CPD	50 mg		
1043	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K ₂ EDTA	20 mg		
1044	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 8000 pg / mL	K ₂ EDTA	30 mg		
1045	Trospium	LC-MS/MS (API 4000)	Human Plasma	10 to 2500 pg / mL	K ₂ EDTA	60 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
U							
Location : Canada							
CANADA	1046	Ursodiol	LC-MS (API 150)	Human Plasma	100 to 12800 ng / mL	K ₃ EDTA	-
		Glycoursodeoxycholic Acid	LC-MS (API 150)	Human Plasma	150 to 19200 ng / mL	K ₃ EDTA	-
		Tauroursodeoxycholic Acid	LC-MS (API 150)	Human Plasma	100 to 12800 ng / mL	K ₃ EDTA	-
V							
Location : Canada							
CANADA	1047	Valsartan	LC-MS/MS (API 3000)	Human Plasma	20 to 10240 ng / mL	K ₂ EDTA	160 mg
	1048	Valsartan	LC-MS/MS (Waters)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	80 mg
	1049	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	-
	1050	Venlafaxine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	Sodium heparin	300 mg
		Orthodesmethyl Venlafaxine	LC-MS/MS (Thermo)	Human Plasma	2 to 800 ng/mL	Sodium heparin	-
	1051	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	-
	1052	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	-
	1053	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	-

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	1054	Verapamil	LC-MS/MS (Thermo)	Human Plasma	2 to 300 ng / mL	Sodium heparin	240 mg	
		Norverapamil	LC-MS/MS (Thermo)	Human Plasma	2 to 175 ng / mL	Sodium heparin	-	
	1055	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	-	
	1056	Vigabatrin	LC-MS (API 150)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-	
	Location : India							
INDIA	1057	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	-	
	1058	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	-	
	1059	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	-	
	1060	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	-	
	1061	Valganciclovir	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 750 ng/mL	K ₂ EDTA	900 mg	
		Ganciclovir	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 12000 ng / mL	K ₂ EDTA	-	
	1062	valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 320 ng / mL	K ₂ EDTA	450 mg	
	1063	Valproic acid	HPLC-UV	Human Plasma	1 to 110 µg / mL	Heparin	500 mg	
1064	Valproic acid	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 80 µg / mL	Sodium heparin	500 mg		
1065	Valsartan	LC-MS/MS (API 3200)	Human Plasma	20 to 2000 ng / mL	Heparin	40 mg		
1066	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	Heparin	160 mg		
1067	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	160 mg		
1068	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	Sodium heparin	320 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	1069	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	320 mg	
	1070	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	
	1071	Venetoclax	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng/mL	K ₂ EDTA	100 mg fasting	
	1072	Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 300 ng / mL	Sodium heparin	150 mg	
	1073	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	-	
	1074	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	-	
	1075	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-	
		Norverapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-	
	1076	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	-	
	1077	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	-	
	1078	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	-	
1079	Vardenafil	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Sodium heparin	20 mg		
1080	Vilazodone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	10 mg		
1081	Vilazodone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng/mL	K ₂ EDTA	40 mg		
1081	Vildagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng/mL	Sodium Heparin	50 mg		
1082	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	0.25 to 20 ng / mL	K ₂ EDTA	5600 IU / 2600 IU		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	1083	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	40000 IU	
	1084	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	1 to 700 ng / mL	K ₂ EDTA	50 mg	
	1085	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	40mg/mL or 200 mg	
W								
CANADA	Location : Canada							
	1086	R-Warfarin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	-	
		S-Warfarin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	-	
Location : India								
INDIA	1087	Warfarin	HPLC - Fluorescence	Human Plasma	10 to 750 ng / mL	Heparin	5 mg	
	1088	Warfarin	HPLC - Fluorescence	Human Plasma	20 to 2500 ng / mL	Heparin	10 mg	
Z								
CANADA	Location : Canada							
	1089	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.125 to 64 ng / mL	K ₂ EDTA	5 mg	
	1090	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K ₂ EDTA	40 mg	
	1091	Zolpidem	HPLC - Fluorescence	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	10 mg	
Location : India								
INDIA	1092	Ziprasidone	HPLC - Fluorescence	Human Plasma	1.5 to 200 ng / mL	NA	40 mg	
	1093	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	-	
	1094	Zolpidem	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	10 mg	
	1095	Zonisamide	HPLC-UV	Human Serum	25 to 3000 ng / mL	NA	100 mg	

*: Premium method

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NEW CHEMICAL ENTITIES

(FULL NAME WITHHELD DUE TO CONFIDENTIALITY)

Sr. No.	Drug Name	Instrument	Matrix	LLOQ	Anticoagulant	
Location : Canada						
CANADA	1	New Chemical Entity - 1a	LC-MS/MS (Thermo)	Rat Plasma or Dog Plasma	0.5 ng / mL	Lithium heparin
		New Chemical Entity - 1b	LC-MS/MS (Thermo)	Rat Plasma or Dog Plasma	0.8 ng / mL	Lithium heparin
	2	New Chemical Entity - 2	LC-MS/MS (Thermo)	Human Plasma	0.8 ng / mL	Lithium heparin
	3	New Chemical Entity - 3b	LC-MS/MS (Thermo)	Dog cerebrospinal fluid	0.8 ng / mL	Not applicable
	4	New Chemical Entity - 4 (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
		New Chemical Entity - 4a (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
		New Chemical Entity - 4b (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
	5	New Chemical Entity - 5	LC-MS/MS (Thermo)	Human Plasma	2.94 ng/mL	K ₂ EDTA
	6	New Chemical Entity - 6	LC-MS/MS (Thermo)	Human Plasma	1.96 ng/mL	Not applicable
	Location : India					
INDIA	7	New Chemical Entity-01	LC-MS/MS (API 4000)	Human Plasma	5 ng / mL	K ₂ EDTA
	8	New Chemical Entity-02	LC-MS/MS (API 4000)	Human Plasma	0.5 ng / mL	K ₂ EDTA
		N-Oxide of New Chemical Entity- 02	LC-MS/MS (API 4000)	Human Plasma	0.5 ng / mL	K ₂ EDTA
	9	New Chemical Entity-03	LC-MS/MS (API 4000)	Human Plasma	5 ng / mL	K ₂ EDTA
	10	New Chemical Entity-04	LC-MS/MS (API 4000)	Human Plasma	10 ng /mL	K ₂ EDTA
	11	New Chemical Entity-05	LC-MS/MS (API 4000)	Human Plasma	1 ng /mL	K ₂ EDTA & K ₃ EDTA
	12	New Chemical Entity-06	LC-MS/MS (Waters QPXE)	Monkey Plasma	50 ng / mL	K ₂ EDTA
	13	New Chemical Entity-07a	LC-MS/MS (API 4000)	Human Plasma	1 ng / mL	K ₂ EDTA
		New Chemical Entity-07b	LC-MS/MS (API 4000)	Human Plasma	10 ng / mL	K ₂ EDTA
	14	New Chemical Entity-08	LC-MS/MS (API 4000)	Human Plasma	2 ng / mL	K ₂ EDTA
15	*New Chemical Entity-09	LC-MS/MS (Thermo)	Human Plasma	2 ng / mL	K ₂ EDTA	
16	*New Chemical Entity-10	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 ng / mL	K ₂ EDTA	

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IN-VITRO STUDIES

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

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IMMUNOGENICITY ASSESSMENT

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

*: Developed method available

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PD MARKERS

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

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PD MARKERS

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

*Developed method available

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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)
8	A cosmetic study to assess the effectiveness of test toothpaste formulation compared to a standard fluoride toothpaste and a commercially available toothpaste on plaque 1 and 12 hours after brushing.
9	Salivary sediment viability method
10	Examine the effects of oral care formulations on oral (S.mutans ATCC 25175) bacteria used of time-kill assay
11	Plaque Biofilm method time kill assay
12	Method for quantification of Cetylpyridinium chloride(cpc) from clay surface
13	Zone of Inhibition Method to check the effectiveness of antibacterial effect of Mouth wash
14	Comparative evaluation of for viable spore count of Bacillus clausi after acid challenge and temperature challenge.
15	To evaluate the efficacy of hand wash formulations, by measuring levels of residual bacterial count after washing/rinsing, based on ASTM E2870-13 method on the palms of normal volunteers



LAMBDA

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