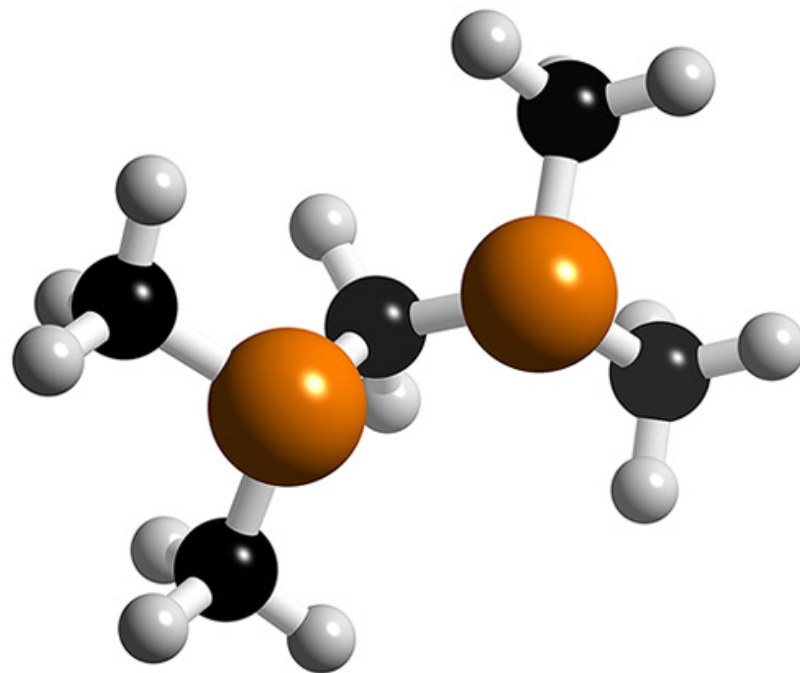




# HANDBOOK OF BIOANALYTICAL METHODS at LAMBDA THERAPEUTIC RESEARCH



**Edition: October 2018**

## Bio-analytical

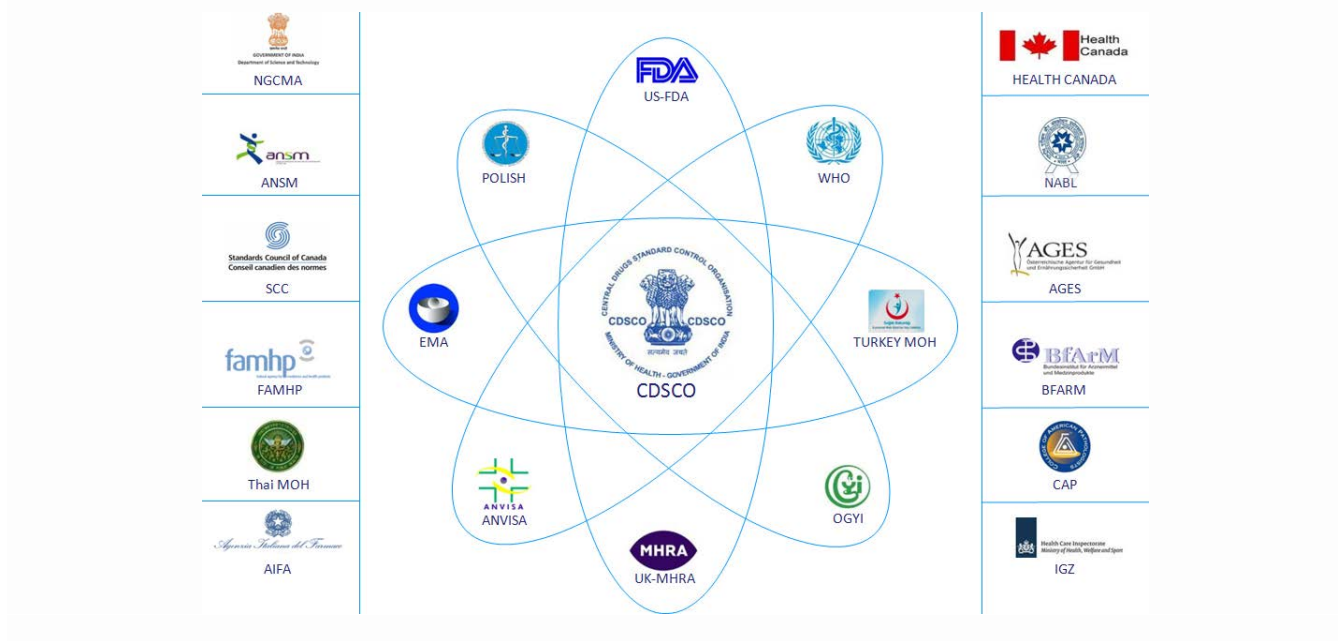
Lambda is one of the most experienced Bioanalytical service providers in India. We provide these services from two different strategic locations - India and Canada. Our highly qualified and experienced scientists work 24x7 and have an accumulated global catalogue of more than **1000** validated methods. 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 ( $-22 \pm 5$  °C,  $-65 \pm 10$  °C)
- ✦ Biolyte (Chromatographic Data review and data printing software)
- ✦ Different types of **50+** LC-MS/MS systems (including API 6500 and Waters Xevo TQ-S)

## Regulatory Track Record



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# Lambda Therapeutic Research

## LARGE MOLECULES / THERAPEUTIC PROTEINS / BIOSIMILARS

Sr. No.	Drug Name	Instrument/Method of Analysis	Matrix	Range	Anticoagulant	Dose
Location : India						
1	Bevacizumab	Sandwich ELISA	Human Serum	1.042 to 130 µg / mL	NA	7.5 mg / kg I.V
2	*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 <sub>2</sub> EDTA	1 mg/vial
8	Rituximab	Competitive ELISA	Human Plasma	50 to 1502 ng / mL	K <sub>2</sub> 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	6.25 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
<b>A</b>							
<b>Location : Canada</b>							
<b>CANADA</b>	1	Acetaminophen	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 13 µg / mL	K <sub>2</sub> EDTA	-
	2	Acetaminophen	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 13 µg / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	200 mg
	7	Alverine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K <sub>2</sub> EDTA	120 mg
	8	Allopurinol	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	200 mg
	9	Amantadine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1500 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	-
		Nortriptyline	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	K <sub>2</sub> EDTA	-
	12	Amlodipine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K <sub>3</sub> EDTA	10 mg
	13	Amphotericin B	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	200 to 400 mg
	14	Alectinib	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	K <sub>2</sub> EDTA	50mg
	15	Alectinib	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	1 mg
	18	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	0.500 to 500 ng/mL	K <sub>2</sub> EDTA	10 mg
	19	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	2.5 to 2500 ng/mL	K <sub>2</sub> EDTA	60 mg
	20	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	40 mg
		4-Hydroxyatomoxetine	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	-
		N-Desmethylatomoxetine	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	-
	21	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.4 to 102 ng / mL	K <sub>2</sub> EDTA	80 mg
		o-hydroxyatorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.4 to 102.5 ng / mL	K <sub>2</sub> EDTA	-
		p-hydroxyatorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.04 to 10 ng / mL	K <sub>2</sub> EDTA	-
	22	Atorvastatin	LC-MS/MS (Thermo)	Dog Plasma	0.25 to 2500 ng / mL	K <sub>2</sub> EDTA	5 mg to 80 mg
		o-hydroxyatorvastatin	LC-MS/MS (Thermo)	Dog Plasma	0.25 to 500 ng / mL	K <sub>2</sub> EDTA	-
p-hydroxyatorvastatin		LC-MS/MS (Thermo)	Dog Plasma	0.25 to 500 ng / mL	K <sub>2</sub> EDTA	-	
Atorvastatin Lactone		LC-MS/MS (Thermo)	Dog Plasma	0.5 to 2500 ng / mL	K <sub>2</sub> EDTA	-	
o-Hydroxy Atorvastatin Lactone		LC-MS/MS (Thermo)	Dog Plasma	0.5 to 250 ng / mL	K <sub>2</sub> EDTA	-	
p-Hydroxy Atorvastatin Lactone		LC-MS/MS (Thermo)	Dog Plasma	0.5 to 250 ng / mL	K <sub>2</sub> EDTA	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	23	Atorvastatin	LC-MS/MS (Thermo)	Dog Plasma	10 to 2500 ng / mL	K <sub>2</sub> EDTA	5 mg to 80 mg	
		o-hydroxyatorvastatin	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	-	
		p-hydroxyatorvastatin	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	-	
		Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	10 to 2500 ng / mL	K <sub>2</sub> EDTA	-	
		o-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	-	
		p-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	-	
	24	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	10 to 15000 pg / mL	K <sub>2</sub> EDTA	10 mg	
		o-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	10 to 10000 pg / mL	K <sub>2</sub> EDTA	-	
		p-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 pg / mL	K <sub>2</sub> EDTA	-	
	25	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	20 mg	
		o-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	-	
		p-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K <sub>2</sub> EDTA	-	
		Glimepiride	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	-	
	26	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	20 to 8000 ng/mL	K <sub>2</sub> EDTA	300 mg	
	27	Axitinib	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	300 mg
30		Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 12000 ng / mL	K <sub>2</sub> EDTA	600 mg	
		Lamivudine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 6000 ng / mL	K <sub>2</sub> EDTA	300 mg	
31		Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 10000 ng / mL	K <sub>2</sub> EDTA	300mg	
		Lamivudine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 5000 ng / mL	K <sub>2</sub> EDTA	150mg	
32		Acamprostate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 400 ng / mL	K <sub>2</sub> EDTA	2 X 333 mg i.e. 666mg dose	
33		Acetazolamide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg/mL	K <sub>2</sub> EDTA	500 mg	Yes
34		Aceclofenac	LC-MS/MS (API 2000)	Human Plasma	75 to 22000 ng / mL	Sodium heparin	100 mg	
35		Acetyl salicylic acid	HPLC-UV	Human Plasma	0.05 to 8 µg / mL	K <sub>2</sub> EDTA / Heparin	650 mg	
		Salicylic acid	HPLC-UV	Human Plasma	0.4 to 40 µg / mL	K <sub>2</sub> EDTA / Heparin	-	
36		Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 500 ng/ mL	K <sub>2</sub> EDTA	25 mg	
		Salicylic acid	LC-MS/MS (API 4000)	Human Plasma	100 to 6000 ng / mL	K <sub>2</sub> EDTA	-	
37		Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 750 ng / mL	K <sub>2</sub> EDTA	25 mg	
38		Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 1500 ng / mL	K <sub>2</sub> EDTA	100 mg	
		Salicylic acid	LC-MS/MS (API 4000)	Human Plasma	150 to 10000 ng / mL	K <sub>2</sub> EDTA	-	
39		Acitretin	LC-MS/MS (Shimadzu 8060)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	25 mg	
	13-Cis - Acitretinin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	40	Acrivastine	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	8mg	
	41	Allopurinol	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	42	Allopurinol	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 5000 ng / mL	K <sub>2</sub> EDTA	300 mg	
		Oxypurinol	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10000 ng / mL	K <sub>2</sub> EDTA	-	
	43	Amantadine	LC-MS/MS (Thermo)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	100 mg	
	44	Ambrisentan	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K <sub>2</sub> EDTA	10 mg	
	45	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	Sodium heparin	5 mg / 10 mg	
	46	*Amlodipine (R)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 5 ng / mL	K <sub>2</sub> EDTA	5 mg / 10 mg	
		*Amlodipine (S)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 7.5 ng / mL	K <sub>2</sub> EDTA	5 mg / 10 mg	
	47	*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	
	48	*Amlodipine (R)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 5 ng/mL	K <sub>2</sub> EDTA	5 mg	
		*Amlodipine (S)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 7 ng/mL	K <sub>2</sub> EDTA	5 mg	
	49	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	K <sub>2</sub> EDTA	10 mg	
		Olmesartan	LC-MS/MS (API 4000)	Human Plasma	2.5 to 2200 ng / mL	K <sub>2</sub> EDTA	40 mg	
	50	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.1 to 7 ng / mL	K <sub>2</sub> EDTA	10 mg	
		Valsartan	LC-MS/MS (API 4000)	Human Plasma	50 to 8000 ng / mL	K <sub>2</sub> EDTA	160 mg	
	51	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.1 to 15 ng / mL	K <sub>2</sub> EDTA	10 mg	
		Valsartan	LC-MS/MS (API 4000)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	320 mg	
	52	Amlodipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 10 ng / mL	K <sub>2</sub> EDTA	10 mg	
		Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	80 mg	
	53	Amiloride	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 20 ng / mL	K <sub>2</sub> EDTA	5 mg	
	54	Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K <sub>2</sub> EDTA	200 mg	
	55	Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	200 mg	
		N-Desethyl Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 100ng / mL	K <sub>2</sub> EDTA	-	
	56	Amitriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 30 ng / mL	K <sub>2</sub> EDTA	25 mg	
		Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 15 ng / mL	K <sub>2</sub> EDTA	-	
	57	Amitriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 90 ng/mL	K <sub>2</sub> EDTA	25mg	
	58	Amitriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 30 ng/mL	K <sub>2</sub> EDTA	10 mg	
	59	Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	150 mg	
		N-desethyl Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	-	
	60	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 35 µg / mL	K <sub>2</sub> EDTA	1 gm	
	61	Amoxicillin	HPLC-UV	Human Plasma	0.5 to 15 µg / mL	K <sub>2</sub> EDTA / Heparin	500 mg	
	62	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 µg / mL	K <sub>2</sub> EDTA	250 mg	
	63	Amoxicillin	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	75 to 35000 ng / mL	Sodium heparin	500 mg	
	64	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	65	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	
	66	Amphotericin B	HPLC-UV	Human Plasma	0.25 to 10 µg / mL	K <sub>2</sub> EDTA	2 mg	
	67	Amphotericin-B	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	0.6 mg/kg to 1.5 mg/kg	
	68	Amphotericin B	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	100 to 2000 pg / mL	K <sub>2</sub> EDTA	NA	
	69	*Amphotericin B (free) (Liposomal)	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 ng / mL	K <sub>2</sub> EDTA	50mg/vial	
	70	Albendazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 150 ng / mL	K <sub>2</sub> EDTA	400mg	
		Albendazole Sulfoxide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K <sub>2</sub> EDTA	NA	
	71	Albuterol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 30 ng/mL	K <sub>2</sub> EDTA	4 mg	
	72	*Alendronate	LC-MS/MS (API 4000)	Human Urine	2 to 600 ng / mL	NA	70 mg	
	73	*Alendronate	LC-MS/MS (API 4000)	Human Plasma	0.3 to 150 ng / mL	K <sub>2</sub> EDTA	70 mg	
	74	*Alendronate	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K <sub>2</sub> EDTA	10 mg	
	75	Alogliptin	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	25 mg	
	76	Alogliptin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	12.5 mg	
	77	Alverine	LC-MS/MS (API 4000)	Human Plasma	20 to 7500 pg/mL	K <sub>2</sub> EDTA	120 mg	
	78	Anastrozole	LC-MS/MS (API 3200)	Human Plasma	0.25 to 25 ng / mL	Sodium heparin	1 mg	
	79	*Anagrelide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K <sub>3</sub> EDTA	0.5 mg	
	80	Apixaban	LC-MS/MS (Thermo)	Human Plasma	0.25 to 300 ng / mL	K <sub>2</sub> EDTA	50 mg	
	81	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg of Vinpocetine	
	82	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 180 ng / mL	K <sub>2</sub> EDTA	15 mg of Vinpocetine	
	83	Apremilast	LC-MS/MS (API 4000)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	30 mg	
	84	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg	
		Dehydro aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	-	
	85	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	10 mg	
	86	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg	
	87	Artemether	LC-MS/MS (API 4000)	Human Plasma	2 to 200 ng / mL	K <sub>2</sub> EDTA	80 mg	
		Dihydroartemisinin	LC-MS/MS (API 4000)	Human Plasma	2 to 250ng / mL	K <sub>2</sub> EDTA	80 mg	
	88	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	300 mg	
	89	Atazanavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	89	Atazanavir	LC-MS/MS (API 4000)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	300 mg	
90	Atenolol	HPLC - Fluorescence	Human Plasma	10 to 800 ng / mL	K <sub>2</sub> EDTA / Heparin	100 mg		
91	Atenolol	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	50 mg		
	Nifedipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	20 mg		
92	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	20 mg		
	O-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	-		
	P-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K <sub>2</sub> EDTA	-		



# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	93	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.3 to 300 ng / mL	K <sub>2</sub> EDTA	80 mg	Yes
		O-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.25 to 150 ng / mL	K <sub>2</sub> EDTA	-	
		P-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K <sub>2</sub> EDTA	-	
	94	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.3 to 125 ng / mL	K <sub>2</sub> EDTA	40 mg	Yes
		O-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.25 to 70 ng / mL	K <sub>2</sub> EDTA	-	
		P-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	-	
	95	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	20 mg	
	96	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K <sub>2</sub> EDTA	40 mg	
	97	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 150 ng / mL	K <sub>2</sub> EDTA	80 mg	
	98	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 150 ng/mL	K <sub>2</sub> EDTA	80 Mg	
	99	Atovaquone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	250 mg	
	99	Atovaquone	LC-MS/MS (API 3200)	Human Plasma	30 to 7500 ng/mL	K <sub>2</sub> EDTA	750 mg / 5 mL	Yes
	100	*5-Azacytidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	Sodium heparin	100 mg	
	101	Azathioprine	LC-MS/MS (Thermo)	Human Plasma	0.15 to 50 ng/mL	K <sub>2</sub> EDTA	50 mg	
	102	*AzelaStine	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 pg / mL	K <sub>2</sub> EDTA	0.56 mg	
*N-desmethyl AzelaStine		LC-MS/MS (Thermo)	Human Plasma	7 to 500 pg / mL	K <sub>2</sub> EDTA	-		
103	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	600 mg		
104	Azithromycin	LC-MS/MS (Shimadzu 8045)	Human Plasma	5 to 1010 ng/mL	K <sub>2</sub> EDTA	200mg/5 mL		
105	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	200 mg		
<b>B</b>								
<b>Location : Canada</b>								
CANADA	106	Barnidipine	LC-MS/MS (Thermo)	Human Plasma	50- 10000 ng/mL	K <sub>2</sub> EDTA	20 mg	
	107	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	10 mg	
	108	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg	
		S-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg	
	109	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	
	110	Betamethasone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K <sub>2</sub> EDTA	-	
		Betamethasone Acetate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K <sub>2</sub> EDTA	-	
		Betamethasone Phosphate	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	-	
	111	Budesonide	LC-MS/MS (API 6500)	Human Plasma	20 to 10000 pg/mL	Sodium heparin	3 x 3 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	112	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	-	
	113	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	-	
	114	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	-	
115	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	-		
116	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	-		
117	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	-		
118	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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
119	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	0.4 to 77 ng / mL	K <sub>2</sub> EDTA	-	
	1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	1.6 to 307.2 ng / mL	K <sub>2</sub> EDTA	-	
120	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	-	
121	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	-	
122	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	-	
<b>Location : India</b>							
123	*Baclofen(R & S)	LC-MS/MS (Shimadzu 8045)	Human Plasma	1 to 500 ng/mL	K <sub>2</sub> EDTA	25 mg	Yes
124	Benazepril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 2500 ng / mL	K <sub>2</sub> EDTA	40 mg	
	Benazeprilat	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K <sub>2</sub> EDTA	-	
125	Benazepril	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	K <sub>2</sub> EDTA	10 mg	
	Benazeprilat	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K <sub>2</sub> EDTA	-	
126	Bendroflumethiazide	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng/mL	K <sub>2</sub> EDTA	5mg	
127	Bendroflumethiazide	LC-MS/MS (Thermo)	Human Plasma	0.1 to 70 ng/mL	K <sub>2</sub> EDTA	2.5 mg	
	Bendroflumethiazide impurity	LC-MS/MS (Thermo)	Human Plasma	0.1 to 15 ng/mL	K <sub>2</sub> EDTA	2.5 mg	
128	*Betahistine	LC-MS/MS (API 6500)	Human Plasma	7.5 to 2000 pg/mL	K <sub>2</sub> EDTA	24 and 48 mg	
129	Bexarotene	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	75 mg	
130	Bezafibrate	LC-MS/MS (API 4000)	Human Plasma	80 to 22000 ng/mL	K <sub>2</sub> EDTA	200mg/400mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	131	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	10 to to 1000 ng / mL	Heparin	25 mg	
	132	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	50 to 2000 ng / mL	K <sub>2</sub> EDTA / Heparin	50 mg	
	133	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	100 to 5000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	134	*Bicalutamide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	50 mg	
	135	*R- Bicalutamide	LC-MS/MS (API 3200)	Human Plasma	5 to 2500 ng/mL	K <sub>2</sub> EDTA	150 mg	
		*S- Bicalutamide	LC-MS/MS (API 3200)	Human Plasma	4 to 1000 ng/mL	K <sub>2</sub> EDTA	NA	
	136	Bisoprolol	LC-MS/MS (API 3200)	Human Plasma	0.5 to 80 ng / mL	K <sub>2</sub> EDTA	10 mg	
	137	Bosentan	LC-MS/MS (API 3200)	Human Plasma	5 to 6000 ng / mL	K <sub>2</sub> EDTA	125 mg	
	138	*Bortezomib	LC-MS/MS (Thermo)	Rat Plasma	0.5 to 500 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (Subcutaneous)	
	139	*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	*Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 4000 pg / mL	K <sub>2</sub> EDTA	3 mg	
	141	Budesonide	LC-MS/MS (Thermo)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	3 X 3 mg	
	142	Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	3X3 mg	
	143	Budesonide	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	3 mg	
	144	Buspirone	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 30000 pg / mL	K <sub>2</sub> EDTA	15 mg	
	145	Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	300 mg/150mg	
	146	Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	K <sub>2</sub> EDTA	150 mg	
		Hydroxybupropion	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	-	
	147	*Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	150 mg	
		*Hydroxy Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	-	
*Erythro hydro Bupropion		LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	-		
* Threo hydro Bupropion		LC-MS/MS (Waters QPXE)	Human Plasma	1.5 to 600 ng / mL	K <sub>2</sub> EDTA	-		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	148	Bupropion	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K <sub>2</sub> EDTA	300 mg	
		Hydroxy Bupropion	LC-MS/MS (API 6500)	Human Plasma	2 to 1500 ng/mL	K <sub>2</sub> EDTA	-	
		Erythro Hydro Bupropion	LC-MS/MS (API 6500)	Human Plasma	0.5 to 176 ng/mL	K <sub>2</sub> EDTA	-	
		Threo Hydro Bupropion	LC-MS/MS (API 6500)	Human Plasma	1.5 to 1000 ng/mL	K <sub>2</sub> EDTA	-	
INDIA	149	*Bupropion	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	300 mg	
		*Hydroxy Bupropion	LC-MS/MS (Thermo)	Human Plasma	2 to 1500 ng / mL	K <sub>2</sub> EDTA	-	
		*Erythro hydro Bupropion	LC-MS/MS (Thermo)	Human Plasma	0.5 to 175 ng / mL	K <sub>2</sub> EDTA	-	
		* Threo hydro Bupropion	LC-MS/MS (Thermo)	Human Plasma	1.5 to 1000 ng / mL	K <sub>2</sub> EDTA	-	
<b>C</b>								
<b>Location : Canada</b>								
CANADA	150	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	-	
	151	Carvedilol	LC-MS/MS (Thermo)	Human Plasma	1 to 128 ng / mL	K <sub>2</sub> EDTA	40 mg	
		O-Desmethylcarvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	-	
		4'-Hydroxyphenyl carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	-	
		5'-Hydroxyphenyl carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	-	
	152	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Lithium heparin	500 mg	
	153	Cefixime	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	400 mg	
	154	Cefuroxime	HPLC-UV	Human Plasma	0.2 to 27 µg / mL	K <sub>2</sub> EDTA	500 mg	
	155	Cefuroxime	LC-MS/MS (Thermo)	Human Plasma	100 to 20135 ng / mL	K <sub>2</sub> EDTA	500 mg	
	156	Celecoxib	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	200 mg	
	157	Celecoxib	LC-MS/MS (API 3000)	Human Plasma	20 to 2560 ng / mL	K <sub>2</sub> EDTA	200 mg	
	158	Cephalexin	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	K <sub>3</sub> EDTA	-	
	159	Cetirizine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	10 mg	
	160	Cetirizine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	5 mg	
		Pseudoephedrine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K <sub>2</sub> EDTA	120 mg	
	161	Chlorpheniramine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	K <sub>2</sub> EDTA	8 mg / 5 mL	
	162	Chlorthalidone	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng/mL	K <sub>2</sub> EDTA	50 mg	
	163	Cilazapril	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	K <sub>3</sub> EDTA	1 mg	
		Cilazaprilat	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K <sub>3</sub> EDTA	1 mg	
164	Cilazapril	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K <sub>3</sub> EDTA	2.5 mg		
	Cilazaprilat	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	K <sub>3</sub> EDTA	2.5 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	165	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K <sub>3</sub> EDTA	-	
	166	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K <sub>3</sub> EDTA	-	
	167	Ciprofloxacin	HPLC-UV	Human Urine	1.5 to 15 µg / mL	Not applicable	-	
		Desethyleneciprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-	
		Sulfociprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-	
		Oxociprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-	
		Formylciprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-	
	168	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 32 ng / mL	Heparin	-	
	169	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	-	
	170	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	-	
	171	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	-	
	172	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	-	
	173	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	-	
174	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	-		
175	Clarithromycin	LC-MS/MS (API 300 or 3000)	Human Plasma	20 to 5120 ng / mL	Sodium heparin	-		
176	Clavulanic Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	25 to 1600 ng / mL	Sodium heparin	125 mg		
177	Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 600 ng/mL	K <sub>2</sub> EDTA	20mg		
	N-Desmethyl Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 500 ng/mL	K <sub>2</sub> EDTA	20mg		
178	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	2 mg / mL		
179	Clonazepam	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	-		
180	Clonidine	LC-MS/MS (Thermo)	Human Plasma	0.03 to 2 ng / mL	K <sub>2</sub> EDTA	0.3 mg		
181	Clopidogrel	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	Sodium heparin	300 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	182	Clopidogrel Carboxylic Acid	LC-MS/MS (Thermo)	Human Plasma	0.049 to 25 µg / mL	K <sub>2</sub> EDTA	300 mg of Clopidogrel	
	183	Clopidogrel Thiol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	300 mg of Clopidogrel	
	184	Codeine	LC-MS/MS (Thermo)	Human Plasma	0.7 to 400 ng / mL	K <sub>2</sub> EDTA	30 mg	
	185	Crisaborole	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng/ mL	K <sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub> EDTA	15 to 25 mg / m <sup>2</sup>	
	189	Cabazitaxel (Free)	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	190	*Cabergoline	LC-MS/MS (API 6500)	Human Plasma	0.5 to 80 pg / mL	K <sub>2</sub> EDTA	2 X 0.5 mg	
	191	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 750 ng / mL	K <sub>2</sub> EDTA	32 mg	
	192	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K <sub>2</sub> EDTA	16 mg	
	193	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 160 ng / mL	K <sub>2</sub> EDTA	8 mg	
	194	Candesartan	LC-MS/MS (API 3200)	Human Plasma	5 to 750 ng/ml	K <sub>2</sub> EDTA	32 mg	
	195	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 12000 ng / mL	K <sub>2</sub> EDTA	500 mg (multiple dosing)	
	196	*Capecitabine	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	500 mg (multiple dosing)	
		*5-fluorouracil	LC-MS/MS (Thermo)	Human Plasma	5 to 760 ng / mL	K <sub>2</sub> EDTA	-	
	197	*Capecitabine	LC-MS/MS (Thermo)	Human Plasma	10 to 10000 ng / mL	K <sub>2</sub> EDTA	2X 1250 mg / M <sup>2</sup>	
		*5-Fluorouracil	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	2X 1250 mg / M <sup>2</sup> of Capecitabine	
	198	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 8000 ng / mL	K <sub>2</sub> EDTA	500 mg (multiple dosing)	
		5-Deoxy-5-Fluorocytidine	LC-MS/MS (API 4000)	Human Plasma	10 to 8000 ng / mL	K <sub>2</sub> EDTA	-	
	199	S-Methyl N,N-Diethyl dithiocarbamate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 50 ng/mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	200 mg	Yes
	201	Carbamazepine	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	K <sub>2</sub> EDTA	300 / 400 mg	
	202	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	0.5 to 20 µg / mL	K <sub>2</sub> EDTA	400 mg (steady state )	
	203	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	100 to 7000 ng / mL	K <sub>2</sub> EDTA	300 / 400 mg	
		C 10, 11- Epoxide Metabolite	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng/mL	K <sub>2</sub> EDTA	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	204	*Carprofen	LC-MS/MS (API 3200)	Beagle Dog Plasma	0.5 to 100 µg / mL	K <sub>2</sub> EDTA	100 mg	
	205	Captopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	25 mg	
	206	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.7 to 230 ng / mL	K <sub>2</sub> EDTA	25 mg	
	207	Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	12.5 mg	
	208	*Carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	12.5 mg	
		*4-Hydroxy Phenyl Carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.05 to 5 ng / mL	K <sub>2</sub> EDTA	-	
	209	*Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	40 mg	
		*4-Hydroxy Phenyl Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 5 ng / mL	K <sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub> 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 <sub>2</sub> EDTA	100 mg		
226	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 150 ng / mL	K <sub>2</sub> EDTA	90 mg		
227	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	90 mg		
228	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	0.05 to 4 µg / mL	K <sub>2</sub> EDTA	750 mg		
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		



# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	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 <sub>2</sub> 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 <sub>2</sub> EDTA	10 mg / 20 mg	
		S- desmethyl citalopram	LC-MS/MS (API 3200)	Human Plasma	0.125 to 8 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	10 mg / 20 mg	
	237	S-citalopram	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	10 mg / 20 mg	
	238	Clarithromycin	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	250 mg / 500 mg	
	239	Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	500 mg	
	240	14- hydroxy Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA / Heparin	125 mg	
	242	Clindamycin	LC-MS/MS (API 2000)	Human Plasma	50 to 8000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	243	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	10 mg	
	244	Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 600 ng / mL	K <sub>2</sub> EDTA	2.5 mg/mL (total 20 mg)	
	245	N-desmethyl clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 500 ng / mL	K <sub>2</sub> EDTA	-	
		*Clonidine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 600 pg / mL	K <sub>2</sub> 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)	
	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 <sub>2</sub> EDTA	200 mg multiple dose		
253	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	K <sub>2</sub> EDTA	12.5 mg		
254	Colchicine	LC-MS/MS (API 4000)	Human Plasma	25 to 6000 pg / mL	K <sub>2</sub> EDTA	500 mcg		
255	Cyclophosphamide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K <sub>2</sub> EDTA	Multiple dose		
256	Cycloserine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 20 µg / mL	K <sub>2</sub> EDTA	250mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
<b>D</b>							
<b>Location : Canada</b>							
CANADA	257	Darunavir	LC-MS/MS (API 3000)	Human Plasma	10 to 6400 ng / mL	K <sub>2</sub> EDTA	600 mg
	258	Dexamethasone	LC-MS/MS (Thermo)	Human Plasma	0.2 to 60 ng / mL	K <sub>2</sub> EDTA	0.5 mg
	259	Dextroamphetamine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	K <sub>2</sub> EDTA	30 mg
	260	Dextromethorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K <sub>2</sub> EDTA	60 mg
		Detrorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	10mg
		Pseudoephedrine	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	30mg
		Brompheniramine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 12 ng / mL	K <sub>2</sub> EDTA	2mg
	263	Diclofenac	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	2 mg
	266	Diltiazem	HPLC-UV	Human Plasma	3 to 385 ng / mL	K <sub>3</sub> EDTA	-
		Desacetyldiltiazem	HPLC-UV	Human Plasma	1 to 128 ng / mL	K <sub>3</sub> EDTA	-
		N-Desmethyldiltiazem	HPLC-UV	Human Plasma	3 to 385 ng / mL	K <sub>3</sub> EDTA	-
	267	Diltiazem	HPLC-UV	Human Plasma	3 to 770 ng / mL	K <sub>3</sub> EDTA	-
		Desacetyldiltiazem	HPLC-UV	Human Plasma	1 to 255 ng / mL	K <sub>3</sub> EDTA	-
		N-Desmethyldiltiazem	HPLC-UV	Human Plasma	3 to 780 ng / mL	K <sub>3</sub> EDTA	-
	268	Diltiazem	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	K <sub>3</sub> EDTA	-
		Desacetyldiltiazem	LC-MS/MS (API 3000)	Human Plasma	0.125 to 32 ng / mL	K <sub>3</sub> EDTA	-
		N-Desmethyldiltiazem	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K <sub>3</sub> EDTA	-
	269	Diltiazem	LC-MS/MS (Thermo)	Human Plasma	0.8 to 800 ng / mL	K <sub>2</sub> EDTA	-
		Desacetyldiltiazem	LC-MS/MS (Thermo)	Human Plasma	0.2 to 200 ng / mL	K <sub>2</sub> EDTA	-
		N-Desmethyldiltiazem	LC-MS/MS (Thermo)	Human Plasma	0.4 to 400 ng / mL	K <sub>2</sub> EDTA	-
	270	Diltiazem	LC-MS/MS (Thermo)	Human Plasma	2.5 to 750 ng / mL	K <sub>2</sub> EDTA	420 mg
Desacetyldiltiazem		LC-MS/MS (Thermo)	Human Plasma	0.2 to 75 ng / mL	K <sub>2</sub> EDTA	-	
N-Desmethyldiltiazem		LC-MS/MS (Thermo)	Human Plasma	2 to 150 ng / mL	K <sub>2</sub> EDTA	-	
271	Diphenhydramine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	25 to 38 mg	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	272	Donepezil	LC-MS/MS (Thermo)	Human Plasma	0.25 to 64 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	100 mg	
		Nordoxepine	LC-MS/MS (Thermo)	Human Plasma	0.101 to 50.476 ng/mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	60 mg	
	277	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K <sub>2</sub> EDTA	60 mg	
	278	Dutasteride	LC-MS/MS (Thermo)	Human Plasma	60 to 5120 pg / mL	K <sub>2</sub> EDTA	0.5 mg	
Location : India								
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 <sub>2</sub> 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 <sub>2</sub> EDTA	10 mg	
	286	Dapsone	LC-MS/MS (API 4000)	Human Plasma	0.05 to 50 ng/mL	K <sub>2</sub> EDTA	5 % gel	Yes
	287	Dapsone	LC-MS/MS (API 4000)	Human Plasma	0.02 to 10 ng/mL	K <sub>2</sub> EDTA	5% gel	
	288	Darunavir	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 ng / mL	K <sub>2</sub> EDTA	600 mg / 800 mg	
	289	Dasatinib	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	8 mg	
	291	17-Desacetyl Norgestimate	LC-MS/MS (API 4000)	Human Plasma	0.05 to 7.5 ng / mL	K <sub>2</sub> EDTA	0.5 mg of norgestimate	
	292	Dexibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 µg / mL	K <sub>2</sub> EDTA	400 mg	
	293	Dexketoprofen	LC-MS/MS (API 2000)	Human Plasma	10 to 10000 ng / mL	K <sub>2</sub> EDTA	25 mg / 50 mg	
	294	Dexamethasone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 60 ng / mL	K <sub>3</sub> EDTA	2 mg	
	295	Deferasirox	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg / mL	K <sub>2</sub> EDTA	250 mg /360 mg / 500 mg	
	296	*Diazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	10 mg	
	297	Diazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 750 ng/mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	75 mg / 100 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	301	Diclofenac	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	22 mg	
	302	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	0.075 to 25 ng / mL	K <sub>2</sub> EDTA	1 % gel	
	303	Dienogest	LC-MS/MS (API 6500)	Human Plasma	1 to 120 ng/mL	K <sub>2</sub> EDTA	2mg	
	304	Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	240 mg	
		N-Des Methyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 64 ng / mL	K <sub>2</sub> EDTA	-	
		Des Acetyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 40 ng / mL	K <sub>2</sub> EDTA	-	
	305	Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 750 ng / mL	K <sub>2</sub> EDTA	360 mg	
		N-Des Methyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 150 ng / mL	K <sub>2</sub> EDTA	-	
		Des Acetyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 35 ng / mL	K <sub>2</sub> EDTA	-	
	306	*2,3-Dinor-6-keto prostaglandin F1 $\alpha$	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 <sub>2</sub> EDTA	200 mg	
	308	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 3000 ng / mL	K <sub>2</sub> EDTA	200 mg	
	309	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 ng / mL	K <sub>2</sub> EDTA	200 mg multiple dose	
	310	Docetaxel	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	20 mg / 0.5 mL injection	
	311	Docetaxel (total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 15000 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	312	*Docetaxel	LC-MS/MS (Waters QPXE)	Beagle Dog Plasma	10 to 4000 ng / mL	K <sub>2</sub> EDTA	80mg / 2mL	
	313	*Docetaxel (free)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 300 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	314	Dofetilide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 6000 pg / mL	K <sub>2</sub> EDTA	0.5 mg	
	315	Dofetilide	LC-MS/MS (API 6500)	Human Plasma	20 to 6000 pg / mL	K <sub>2</sub> EDTA	0.5 mg	
	316	Domperidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	10 mg	
	317	Donepezil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K <sub>2</sub> EDTA	10 mg	
	318	Dronadarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	400 mg (fed study)	
		N-desbutyl dronadarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	-	
	319	Dronadarone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	400 mg (fed study)	
N-desbutyl dronadarone		LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	-		
320	Dronedarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	400 mg (fasting study)		
	N-desbutyl Dronedarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	-		
321	Drospirenone	LC-MS/MS (API 4000)	Human Plasma	0.5 to 175 ng / mL	K <sub>2</sub> EDTA	6 mg		
322	Drotaverine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	80 mg		
323	Dolutegravir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	50 mg		
324	Doxazosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 16 ng / mL	K <sub>2</sub> EDTA	1 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	325	Doxorubicin (Encapsulated and total)	LC-MS/MS (Waters QPXE)	Human Plasma	150 to 60000 ng / mL	K <sub>3</sub> EDTA	50mg / m2	
	326	*Doxorubicin(Free)	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 750 ng/mL	K <sub>3</sub> EDTA	50 mg/m2	Yes
	327	*Doxorubicinol	LC-MS/MS (API 6500)	Human Plasma	0.1 to 20 ng / mL	K <sub>3</sub> EDTA	50mg / m2	
	328	Doxylamine	LC-MS/MS (API 3200)	Human Plasma	1 to 200 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	0.5 mg	
<b>E</b>								
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- 50 ng/mL	K <sub>2</sub> 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	-	
		Hydrochlorothiazide	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 <sub>2</sub> EDTA	-	
		Enalaprilat	LC-MS/MS (API 3000)	Human Plasma	0.25 to 256 ng / mL	K <sub>2</sub> EDTA	-	
	335	Eprosartan	LC-MS/MS (Thermo)	Human Plasma	5 to 3840 ng / mL	K <sub>2</sub> EDTA	-	
	336	Esomeprazole	LC-MS/MS (Thermo)	Human Plasma	1 to 2000 ng / mL	K <sub>2</sub> EDTA	20 mg	
	337	17 β-Estradiol	LC-MS/MS (API 6500)	Human Plasma	1 to 100 pg/mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	0.03 mg	
	340	Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K <sub>2</sub> EDTA	20 mcg	
	341	Exemestane	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	25 mg	
342	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> EDTA	25 mg		
Location : India								
INDIA	343	Ebastine	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K <sub>2</sub> EDTA	20 mg	
		Carebastine	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	-	
	344	Ebastine	LC-MS/MS (API 4000)	Human Plasma	12 to 7500 pg / mL	K <sub>2</sub> EDTA	10 mg	
		Carebastine	LC-MS/MS (API 4000)	Human Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
345	Ebastine	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K <sub>2</sub> EDTA	20 mg Film Coated/Orodisposable tablet	
	Carebastine	LC-MS/MS (API 4000)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg Film Coated/Orodisposable tablet	
346	Ebastine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 12000 pg/mL	K <sub>2</sub> EDTA	20mg	
	Carebastine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng/mL	K <sub>2</sub> EDTA	NA	
347	Efavirenz	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	600 mg	
348	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	600 mg	
349	Eliglustat	LC-MS/MS (Thermo)	Human Plasma	0.2 to 100 ng/mL	K <sub>2</sub> EDTA	84 mg	
350	*Ethinyl estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 300 pg / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	0.02 mg	
352	*Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K <sub>2</sub> EDTA	20 mcg	
353	Emtricitabin	LC-MS/MS (API 4000)	Human Plasma	20 to 6000 ng / mL	K <sub>2</sub> EDTA	200 mg	
354	Empagliflozin	LC-MS/MS (API 4000)	Human Plasma	2 to 1000 ng/mL	K <sub>2</sub> EDTA	25 mg	
355	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	600 mg	
356	Endoxifen	LC-MS/MS (Thermo)	Human Plasma	25 to 10000 pg / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	40 mg	
358	Enalapril	LC-MS/MS (Thermo)	Human Plasma	0.5 to 400 ng / mL	K <sub>2</sub> EDTA	10 mg	
	Enalaprilat	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	-	
359	Enalapril	LC-MS/MS (Thermo)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	2.5 mg	
	Enalaprilat	LC-MS/MS (Thermo)	Human Plasma	0.2 to 50 ng / mL	K <sub>2</sub> EDTA	-	
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 <sub>2</sub> EDTA	150 mg	
364	Erlotinib	LC-MS/MS (API 4000)	Human Plasma	3 to 3000 ng / mL	K <sub>2</sub> EDTA	150 mg	
365	Eslicarbazepine	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	800mg	
366	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 3000 ng / mL	K <sub>2</sub> EDTA	20 mg	
367	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 4000 ng / mL	K <sub>2</sub> EDTA	40 mg	
368	*Esomeprazole	LC-MS/MS (Waters QPXE)	Sprague Dawley Rat plasma	2 to 15000 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	10 mcg / 20 mcg	

INDIA

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	370	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 600 pg / mL	K <sub>3</sub> EDTA	1.5 mg	
	371	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 800 pg / mL	K <sub>2</sub> EDTA	0.01 % vaginal cream	
	372	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K <sub>2</sub> EDTA	1 mg	
	373	*17 β-Estradiol (Unconjugated)	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 250 pg / mL	K <sub>2</sub> EDTA	1 mg estradiol	
		*Estrone (Unconjugated)	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	3 to 1200 pg / mL	K <sub>2</sub> EDTA	-	
	374	*Estrone (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 60 ng / mL	K <sub>2</sub> EDTA	1 mg of Estradiol	
	375	Etoricoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	120 mg	
	376	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.25 to 50 ng / mL	Sodium heparin	25 mg	
	377	*Ezetimibe (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	Sodium Heparin	10 mg	
	378	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	Sodium heparin	10 mg	
	379	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.075 to 30 ng / mL	Sodium Heparin	10 mg	
	380	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	-		
<b>F</b>								
Location : Canada								
CANADA	381	Famotidine	HPLC-UV	Human Plasma	5 to 640 ng / mL	Heparin	-	
	382	Felodipine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 13 ng / mL	K <sub>2</sub> EDTA	10 mg	
	383	Fenofibric acid	LC-MS/MS (API 3000)	Human Plasma	50 to 19200 ng / mL	K <sub>2</sub> EDTA	135 mg	
	384	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	K <sub>2</sub> EDTA	-	
	385	Fenofibric acid	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Sodium heparin	-	
	386	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	Sodium heparin	-	
	387	Fenofibric acid	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 µg / mL	K <sub>2</sub> EDTA	215 mg	
	388	Fentanyl	LC-MS/MS (API 3000)	Human Plasma	0.02 to 20 ng / mL	Sodium heparin	-	
	389	Fexofenadine	HPLC - Fluorescence	Human Plasma	5 to 640 ng / mL	Sodium heparin	-	
	390	Fexofenadine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	180 mg	
	391	Fexofenadine	LC-MS/MS (Thermo)	Human Plasma	3 to 3500 ng/mL	K <sub>2</sub> EDTA	180mg	
	392	Fingolimod	LC-MS/MS (Thermo)	Human Blood	25 to 500 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg	
393	Fingolimod Phosphate	LC-MS/MS (Waters QPXE)	Human Blood	75 to 4000 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg of fingolimod		
394	Fluconazole	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	150 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	395	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	-	
	396	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	-	
	397	Flupenthixol	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K <sub>2</sub> EDTA	10 mg	
	398	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	1 to 32 pg / mL	K <sub>2</sub> EDTA	-	
	399	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	5 to 640 pg / mL	K <sub>2</sub> EDTA	-	
	400	Fluvastatin	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	-	
	401	Fluvoxamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-	
	402	Fulvestrant	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 40 ng / mL	Sodium heparin	50 mg	
403	Fulvestrant	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K <sub>2</sub> EDTA	50 mg		
Location : India								
INDIA	404	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	
	405	Fat analysis in fecal	FTIR	Human Fecal	0.5 to 15 g% total fat	NA	60 mg	
	406	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K <sub>2</sub> EDTA	80 mg	
	407	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 12000 ng / mL	K <sub>2</sub> EDTA	120 mg	
	408	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 µg / mL	K <sub>2</sub> EDTA	135 mg	
	409	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg /mL	K <sub>2</sub> EDTA	267 mg	
	410	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng /mL	K <sub>2</sub> EDTA	80 mg	
	411	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng /mL	K <sub>2</sub> EDTA	80 mg (steady state)	
	412	Fesoterodine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 pg / mL	K <sub>2</sub> EDTA	8 mg	
		5-Hydroxymethyl Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	K <sub>2</sub> EDTA	-	
	413	*Fesoterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 200 pg / mL	K <sub>2</sub> EDTA	8 mg	
		*5-Hydroxymethyl Tolterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 10000 pg / mL	K <sub>2</sub> EDTA	-	
	414	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Heparin	5 mg	
	415	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	Heparin	1 mg	
	416	Finasteride	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 3000 pg/mL	K <sub>2</sub> EDTA	0.1% Lipid Solution	



# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	417	*Fingolimod	LC-MS/MS (API 4000)	Human Blood	25 to 3000 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg	
	418	Finglolimod	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	10 to 1000 pg/mL	K <sub>2</sub> EDTA	0.5mg	
	419	*Fingolimod Phosphate	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	50 to 4000 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg of fingolimod	
	420	*Fingolimod Phosphate	LC-MS/MS (Thermo)	Human Blood	75 to 4000 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg of fingolimod	
	421	*Fingolimod Phosphate	LC-MS/MS (API 6500)	Human Blood	50 to 4000 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg of fingolimod	
	422	Flucloxacilin	HPLC-UV	Human Plasma	0.3 to 20 µg / mL	NA	500 mg	
	423	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.050 to 50 µg / mL	K <sub>2</sub> EDTA	500 mg	
	424	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 µg / mL	K <sub>2</sub> EDTA	1 gm	
	425	Fluconazole	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	426	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.25 to 25 ng /mL	K <sub>2</sub> EDTA	20 mg	
		Norfluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.25 to 25 ng / mL	K <sub>2</sub> EDTA	-	
	427	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 50 ng /mL	K <sub>2</sub> EDTA	40 mg	
	428	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 100 ng /mL	K <sub>2</sub> EDTA	60 mg	
	429	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.5 to 10 ng /mL	K <sub>2</sub> EDTA	10 mg	
	430	*Fluticasone Propionate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K <sub>2</sub> EDTA	500 µg	
	431	Fluvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 500 ng / mL	Heparin	40 mg / 80 mg	
	432	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 200 ng / mL	Heparin	40 mg	
	433	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	Heparin	80 mg	
	434	Fosfomycin	LC-MS/MS (Thermo)	Human Plasma	0.6 to 80 ng/mL	K <sub>2</sub> EDTA	5.631mg	
	435	Fulvestrant	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 20 ng /mL	K <sub>2</sub> EDTA	250 mg	
436	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K <sub>2</sub> EDTA	40 mg		
437	Furosemide	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K <sub>2</sub> EDTA	80 mg		
<b>G</b>								
Location : Canada								
CANADA	438	Gabapentin	LC-MS/MS (API 3000)	Human Plasma	75 to 9600 ng / mL	K <sub>2</sub> EDTA	600 mg	
	439	Galantamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 63 ng / mL	K <sub>2</sub> EDTA	8 mg	
	440	Ganciclovir	HPLC - Fluorescence	Human Plasma	30 to 1920 ng / mL	K <sub>2</sub> EDTA	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	441	Gatifloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K <sub>2</sub> EDTA	-	
	442	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K <sub>2</sub> EDTA	4 mg	
	443	Glipizide	HPLC-UV	Human Plasma	10 to 640 ng / mL	K <sub>2</sub> EDTA	-	
	444	Glipizide	LC-MS (API 150)	Human Plasma	10 to 640 ng / mL	K <sub>2</sub> EDTA	-	
	445	Glipizide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 1280 ng / mL	K <sub>2</sub> EDTA	-	
	446	Glipizide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 640 ng / mL	K <sub>2</sub> EDTA	10 mg	
	447	Glyburide	LC-MS (API 150)	Human Plasma	2 to 128 ng / mL	K <sub>2</sub> EDTA	-	
	448	Griseofulvin	LC-MS/MS (API 300 or 3000)	Human Plasma	15 to 3840 ng / mL	K <sub>2</sub> EDTA	-	
	449	Granisetron	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	K <sub>2</sub> EDTA	-	
	450	Guaifenesin	LC-MS	Human Plasma	10 to 1280 ng / mL	K <sub>2</sub> EDTA	-	
	451	Guaifenesin	LC-MS/MS (Thermo)	Human Plasma	10 to 5120 ng/mL	K <sub>2</sub> EDTA	-	
Location : India								
INDIA	452	Gabapentin	LC-MS/MS (API 3200)	Human Plasma	50 to 7500 ng / mL	K <sub>2</sub> EDTA	400 / 800 mg	
	453	Gabapentin	LC-MS/MS (API 2000)	Human Plasma	150 to 10000 ng / mL	K <sub>2</sub> EDTA	1200 / 800 mg	
	454	Galantamine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 75 ng / mL	K <sub>2</sub> EDTA	8 mg	
	455	Gefitinib	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 350 ng / mL	K <sub>2</sub> EDTA	250 mg	
	456	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	K <sub>2</sub> EDTA	1000 mg / m2	
	457	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	Sodium heparin	1000 mg / m2	
	458	*Gestodene	LC-MS/MS (API 6500)	Human Plasma	30 to 6000 pg/mL	K <sub>2</sub> EDTA	0.06 & 0.075	
	459	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K <sub>2</sub> EDTA	80 mg	
	460	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	60 mg	
	461	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K <sub>2</sub> EDTA	30 mg	
	462	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 5000 ng/mL	K <sub>2</sub> EDTA	60mg	
	463	Glimepiride	LC-MS/MS (API 2000)	Human Plasma	3 to 600 ng / mL	Heparin	4 mg	
	464	Glimepiride	LC-MS/MS (API 3200)	Human Plasma	3 to 1200 ng/mL	K <sub>2</sub> EDTA	6 mg	
	465	Glipizide	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1000 ng / mL	K <sub>2</sub> EDTA	10 mg	
	466	*Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K <sub>2</sub> EDTA	1 mg/vial	
	467	Glucosamin	LC-MS/MS (Thermo)	Human Plasma	15 to 2000 ng / mL	K <sub>2</sub> EDTA	750mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	468	*Glycopyrronium	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 400 pg / mL	K <sub>2</sub> EDTA	50 mcg	
	469	Guaifenesin	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	1200 mg	
<b>H</b>								
<b>Location : Canada</b>								
CANADA	470	Hydrocodone	LC-MS/MS (Thermo)	Human Plasma	0.4 to 51 ng / mL	K <sub>2</sub> EDTA	7.5 mg / 5 mL	
	471	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	-	
	472	Hydralazine	LC-MS/MS (Thermo)	Human Plasma	0.25 to 128 ng/mL	K <sub>2</sub> EDTA	50 mg	
		hydralazine pyruvic acid hydrazone (HPH)	LC-MS/MS (Thermo)	Human Plasma	1.2 to 1250 ng/mL	K <sub>2</sub> EDTA	-	
	473	Hydrochlorothiazide	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	K <sub>2</sub> EDTA	12.5 mg to 25 mg	
	474	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K <sub>2</sub> EDTA	32 mg	
475	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	16 mg		
<b>Location : India</b>								
INDIA	476	Haloperidol	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg/mL	K <sub>2</sub> EDTA	-	
	477	Haloperidol	LC-MS/MS (API 6500)	Human Plasma	20 to 7500 pg/mL	K <sub>2</sub> EDTA	5 mg	
	478	Hydralazine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 125 ng / mL	K <sub>2</sub> EDTA	50 mg	
	479	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	25 mg / 12.5 mg	
	480	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	2 to 400 ng / mL	K <sub>2</sub> EDTA	50 mg	
	481	Hydrochlorothiazide	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	50 mg / 25 mg	
	482	Hydrochlorothiazide	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	12.5 mg / 25 mg	
		Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	80 mg	
	483	Hydrochlorothiazide	LC-MS/MS (Thermo)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	12.5 mg / 25 mg	
		Telmisartan	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	80 mg	
	484	Hydrochlorothiazide	LC-MS/MS (API 6500)	Human Plasma	1 to 400 ng/mL	K <sub>2</sub> EDTA	25 mg	
		Telmisartan	LC-MS/MS (API 6500)	Human Plasma	2 to 1000 ng/mL	K <sub>2</sub> EDTA	80 mg	
	485	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	25 mg	
		Olmesartan	LC-MS/MS (API 4000)	Human Plasma	2.5 to 4000 ng / mL	K <sub>2</sub> EDTA	40 mg	
	486	Hydrocortisone	LC-MS/MS (API 3200)	Human Urine	0.25 to 100 ng / mL	Not applicable	-	
487	*Hydrocortisone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg		
488	Hydroxychloroquine	LC-MS/MS (API 3200)	Human Blood	5 to 500 ng / mL	K <sub>2</sub> EDTA	200 mg		
489	5-Hydroxytryptophan	LC-MS/MS (API 4000)	Human Plasma	10 to 1000 ng / mL	K <sub>2</sub> EDTA	100 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
<b>I</b>							
<b>Location : Canada</b>							
<b>CANADA</b>	490	Ibuprofen	HPLC-UV	Human Plasma	0.4 to 512 µg / mL	Sodium heparin	200 mg
	491	Ibuprofen	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 µg / mL	K <sub>2</sub> EDTA	600 mg
	492	Ibuprofen	LC-MS/MS (Thermo)	Human Plasma	0.2 to 51 µg/mL	K <sub>2</sub> EDTA	200 mg
		Methocarbamol	LC-MS/MS (Thermo)	Human Plasma	0.06 to 15 µg/mL	K <sub>2</sub> EDTA	500 mg
	493	Imatinib	LC-MS/MS (Thermo)	Human Plasma	5 to 3500 ng / mL	K <sub>2</sub> EDTA	400 mg
	494	Indapamide	HPLC-UV	Human Whole Blood	10 to 1280 ng / mL	Heparin	-
	495	Itraconazole	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 320 ng / mL	Heparin	-
		Hydroxy Itraconazole	LC-MS/MS (API 300or 3000)	Human Plasma	1 to 320 ng / mL	Heparin	-
	496	Itraconazole	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	100 mg
		Hydroxy Itraconazole	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	-
497	Ivabradine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 20000 ng / mL	K <sub>2</sub> EDTA	15mg	
	N-desmethyl Ivabradine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 2480 ng / mL	K <sub>2</sub> EDTA	15 mg of Ivabradine	
498	S-Ketrolac	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K <sub>2</sub> EDTA	32 mg	
<b>Location : India</b>							
<b>INDIA</b>	499	*Ibandronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	Heparin	50 mg
	500	*Ibandronate	LC-MS/MS (API 4000)	Human Plasma	0.75 to 300 ng / mL	Heparin	150 mg
	501	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg/ mL	Heparin	600 mg
	502	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg/mL	Sodium heparin	200mg
	503	Ibuprofen	HPLC-UV	Human Plasma	1 to 100 µg / mL	Heparin	800 mg
	504	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg / mL	Sodium heparin	100mg & 200mg
	505	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 90 µg/mL	K <sub>2</sub> EDTA	400mg
	506	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K <sub>2</sub> EDTA	400 mg
	507	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 7500 ng / mL	K <sub>2</sub> EDTA	400 mg (multiple dosing)
	508	Imatinib	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	100 mg
	509	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 7000 ng/mL	K <sub>2</sub> EDTA	400 mg single and 400mg multipal dose
	510	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K <sub>2</sub> EDTA	400 mg
		N-Desmethyl Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	-
	511	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	-

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	512	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	100 mg	
		N-Desmethyl Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 125 ng / mL	K <sub>2</sub> EDTA	-	
	513	Irbesartan	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	Sodium heparin	300 mg	
	514	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			
	515	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	-	
	516	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	-	
	517	Isosorbide	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 2000 ng / mL	K <sub>2</sub> EDTA	120 mg	
	518	*Isotretinoin	LC-MS/MS (API 4000)	Human Plasma	10 to 1500 ng / mL	K <sub>2</sub> EDTA	40 mg	
	519	Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 1500 ng / mL	K <sub>2</sub> EDTA	40 mg (fed study)	
	520	*Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 600 ng / mL	K <sub>2</sub> EDTA	40 mg (fasting study)	
	521	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10000 ng / mL	K <sub>2</sub> EDTA	300mg/200 mg/100 mg	
	522	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng/mL	K <sub>2</sub> EDTA	300 mg	
523	*Isotretinoin	LC-MS/MS (Waters QPXE)	Sprague Dawley Rat Skin	0.75 to 500 ng / mL	NA	NA		
524	*Isotretinoin	LC-MS/MS (Waters QPXE)	Rabbit Skin	0.75 to 500 ng / mL	NA	NA		
525	Ivabradine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	7.5 mg		
<b>K</b>								
Location : India								
INDIA	526	3-Ketodesogestrel	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 pg / mL	K <sub>2</sub> EDTA	0.3 mg of desogestrel	
	527	*6-Keto prostaglandin F1α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.125 to 10 ng / mL	NA	NA	
	528	Ketoconazole	HPLC - Fluorescence	Human Plasma	0.05 to 5 µg / mL	CPD	200 mg	
<b>L</b>								
Location : Canada								
CANADA	529	Labetalol	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K <sub>2</sub> EDTA	200 mg	
	530	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	50 mg	
	531	Lansoprazole	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 4096 ng / mL	Sodium heparin	30 mg	
	532	Leuprolide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	K <sub>2</sub> EDTA	-	
	533	Letrozole	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K <sub>2</sub> EDTA	2.5 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	534	Levetiracetam	LC-MS (API 150)	Human Plasma	0.5 to 24 µg / mL	K <sub>2</sub> EDTA	-	
	535	Levetiracetam	LC-MS/MS (API 3000)	Human Plasma	0.375 to 48 µg / mL	K <sub>2</sub> EDTA	1 gm	
	536	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 64 ng / mL	Lithium heparin	-	
	537	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 128 ng / mL	Heparin	-	
	538	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 256 ng / mL	Lithium heparin	-	
	539	Loperamide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	2 mg	
	540	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	-	
	541	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	-	
	542	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5000 pg / mL	K <sub>2</sub> EDTA	5mg	
		Descarboethoxyloratadine	LC-MS/MS (API 6500)	Human Plasma	10 to 10000 pg / mL	K <sub>2</sub> EDTA	-	
		Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	2.5 to 1250 ng / mL	K <sub>2</sub> EDTA	120 mg	
	543	Loratadine	LC-MS/MS (API 6500)	Human Plasma	40 -12000 pg/mL	K <sub>2</sub> EDTA	10 mg	
		Desloratadine	LC-MS/MS (API 6500)	Human Plasma	40 -12000 pg/mL	K <sub>2</sub> EDTA	N/AP	
		Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	5-1600 ng/mL	K <sub>2</sub> EDTA	240 mg	
	544	Lormetazepam	LC-MS/MS (Thermo)	Human Plasma	0.06 to 8 ng / mL	K <sub>2</sub> EDTA	-	
	545	Losartan	LC-MS/MS (API 3000)	Human Plasma	4 to 1027 ng / mL	K <sub>2</sub> EDTA	100 mg	
		Losartan Hydroxy Acid	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K <sub>2</sub> EDTA	-	
546	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	547	Lacidipine	LC-MS/MS (API 4000)	Human Plasma	0.025 to 20 ng / mL	K <sub>2</sub> EDTA	4 mg / 6 mg	
	548	Lacosamide	LC-MS/MS (API 3200)	Human Plasma	25 to 10000 ng / mL	K <sub>2</sub> EDTA	200 mg	
	549	Lamivudine	LC-MS/MS (API 2000)	Human Plasma	25 to 3000 ng / mL	Heparin	150 mg	
	550	Lamivudine	LC-MS/MS (Thermo)	Human Plasma	25 to 6000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	551	Lamivudine	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 3000 ng / mL	K <sub>2</sub> EDTA	150 mg	
		Zidovudine	LC-MS/MS (Shimadzu 8040)	Human Plasma	20 to 4000 ng / mL	K <sub>2</sub> EDTA	300 mg	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	552	Lamotrigine	LC-MS/MS (API 3200)	Human Plasma	25 to 6000 ng / mL	K <sub>2</sub> EDTA	200 mg	
	553	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K <sub>2</sub> EDTA	50mg	
	554	Lansoprazole	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	Heparin	30 mg	
	555	Lapatinib	LC-MS/MS (API 2000)	Human Plasma	15 to 6000 ng / mL	K <sub>2</sub> EDTA	1250 mg	
	556	Ledipasvir	LC-MS/MS (API 4000)	Human Plasma	5 to 800 ng / mL	K <sub>2</sub> EDTA	90 mg	
		Sofosbuvir	LC-MS/MS (API 4000)	Human Plasma	10 to 2000 ng / mL	K <sub>2</sub> EDTA	400 mg	
	557	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	10 mg	
	558	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	25 mg	
	559	Lercanidipine	LC-MS/MS (API 3200)	Human Plasma	0.025 to 12 ng / mL	Heparin	20 mg	
	560	*Lercanidipine ( R & S)	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 pg / mL	Sodium heparin	10 mg	
	561	*Lercanidipine (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 ng / mL	Heparin	20 mg	
	562	*Lercanidipine (R & S)	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 16000 pg / mL	Sodium heparin	20 mg	
	563	Letrozole	LC-MS/MS (API 3200)	Human Plasma	1 to 80 ng / mL	Heparin	2.5 mg	
	564	Levetiracetam	LC-MS/MS (API 3200)	Human Plasma	0.25 to 40 µg / mL	Heparin	1000 mg	
	565	Levetiracetam	LC-MS/MS (Thermo)	Human Plasma	0.25 to 25 µg /mL	Sodium heparin	750 mg	
	566	Levocetirizine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K <sub>2</sub> EDTA	5 mg	
	567	Levodopa	LC-MS/MS (Thermo)	Human Plasma	10 to 3500 ng / mL	K <sub>2</sub> EDTA	200 mg	
		Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.75 to 250 ng / mL	K <sub>2</sub> EDTA	50 mg	
	568	Levodopa	LC-MS/MS (API 4000)	Human Plasma	15 to 2000 ng / mL	K <sub>2</sub> EDTA	200 mg	
		Carbidopa	LC-MS/MS (API 4000)	Human Plasma	1.5 to 250 ng / mL	K <sub>2</sub> EDTA	50 mg	
	569	Levodopa	LC-MS/MS (Thermo)	Human Plasma	10 to 1500 ng / mL	K <sub>2</sub> EDTA	50 mg	
		Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	12.5 mg	
	570	Levofloxacin	HPLC-UV	Human Plasma	0.1 to 12 µg / mL	Heparin	500 mg	
	571	Levofloxacin	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 16000 ng/mL	K <sub>2</sub> EDTA	750 mg	
	572	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.2 to 75 ng / mL	K <sub>2</sub> EDTA	1.5 mg	
	573	Levonorgestrel	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 ng / mL	K <sub>2</sub> EDTA	1.5 mg	
574	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K <sub>2</sub> EDTA	0.15 mg		
575	Levonorgestrel	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 15000 pg/mL	K <sub>2</sub> EDTA	-		
576	*Levothyroxin (T4)	LC-MS/MS (API 3200)	Human Serum	5 to 300 ng / mL	NA	600 mcg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	577	Levothyroxine	LC-MS/MS (Shimadzu 8045)	Human Serum	5 to 300 ng/mL	NA	600 mcg	
	578	Linagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 10 ng / mL	K <sub>2</sub> EDTA	2.5 mg / 5 mg	
	579	Linagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 15 ng/mL	K <sub>2</sub> EDTA	5 mg	
	580	Linezolid	LC-MS/MS (API 3200)	Human Plasma	50 to 25000 ng / mL	K <sub>2</sub> EDTA	600 mg	
	581	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng /mL	K <sub>2</sub> EDTA	40 mg	
	582	Lisinopril	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	10 mg	
	583	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	10 mg	
	584	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.7 to 250 ng/mL	K <sub>2</sub> EDTA	20mg	
	585	Lithium Carbonate	Vitros 5.1,FS	Human Serum	0.274 to 3.754 mol/L	NA	450mg	
	586	Lofepramine	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	-	
	587	Lopinavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	100 mg	
		Ritonavir	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 300 ng / mL	K <sub>2</sub> EDTA	25 mg	
	588	Lopinavir	LC-MS/MS (Waters QPXE)	Human Plasma	30 to 20000 ng / mL	K <sub>2</sub> EDTA	400 mg	
		Ritonavir	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1600 ng / mL	K <sub>2</sub> EDTA	100 mg	
	589	Lopinavir	LC-MS/MS (Waters XEVO TQS)	Human Plasma	30 to 20000 ng/mL,	K <sub>2</sub> EDTA	400 mg	Yes
		Ritonavir	LC-MS/MS (Waters XEVO TQS)	Human Plasma	2.5 to 1600 ng/mL	K <sub>2</sub> EDTA	100 mg	
	589	Lornoxicam	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K <sub>2</sub> EDTA	8 mg	
	590	Loratadine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 15 ng / mL	K <sub>2</sub> EDTA	10 mg	
	591	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5100 pg / mL	K <sub>2</sub> EDTA	5 mg	
		Desloratadine	LC-MS/MS (API 6500)	Human Plasma	25 to 10500 pg / mL	K <sub>2</sub> EDTA	-	
	592	Losartan	LC-MS/MS (API 2000)	Human Plasma	5 to 1200 ng / mL	K <sub>2</sub> EDTA / Heparin	-	
		Losartan carboxylic acid	LC-MS/MS (API 2000)	Human Plasma	5 to 1200 ng / mL	K <sub>2</sub> EDTA / Heparin	-	
	593	Losartan	LC-MS/MS (API 2000)	Human Plasma	10 to 1500 ng / mL	K <sub>2</sub> EDTA	100 mg	
		Losartan carboxylic acid	LC-MS/MS (API 2000)	Human Plasma	25 to 2000 ng / mL	K <sub>2</sub> EDTA	-	
	594	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	50 mg	
	595	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 1500 ng / mL	K <sub>2</sub> EDTA	100 mg	
	596	Losartan	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K <sub>2</sub> EDTA	100 mg	
		Losartan Carboxylic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	K <sub>2</sub> EDTA	-	
		Hydrochlorthiazide	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	25 mg	



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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
<b>INDIA</b>	597	Losartan	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	50 mg	
		Losartan carboxylic acid	LC-MS/MS (API 4000)	Human Plasma	3 to 1200 ng / mL	K <sub>2</sub> EDTA	-	
		S-amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	K <sub>2</sub> EDTA	5 mg	
	598	*15-hydroxy lubiprostone	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K <sub>2</sub> EDTA	48 mcg of lubiprostone	
	599	Lumefantrine	LC-MS/MS (API 4000)	Human Plasma	50 to 20250 ng / mL	K <sub>2</sub> EDTA	480 mg	
	600	Lurasidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg	
	601	Lurasidone	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg	
	602	Lurasidone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 200 ng / mL	K <sub>2</sub> EDTA	40 mg	
	603	*Lurasidone	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg	
		*Lurasidone 14283	LC-MS/MS (API 4000)	Human Plasma	0.1 to 30 ng / mL	K <sub>2</sub> EDTA	-	
*Lurasidone 14326		LC-MS/MS (API 4000)	Human Plasma	25 to 5000 pg / mL	K <sub>2</sub> EDTA	-		
<b>M</b>								
<b>Location : Canada</b>								
<b>CANADA</b>	604	Meclizine	LC-MS/MS (API 3000)	Human Plasma	1.01 to 256 ng / mL	K <sub>2</sub> EDTA	25 mg	
	605	Mefanamic Acid	HPLC-UV	Human Plasma	50 to 6400 ng / mL	K <sub>2</sub> EDTA	-	
	606	Mefanamic Acid	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	K <sub>2</sub> EDTA	250 mg	
	607	Medroxyprogesterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-	
	608	Medroxyprogesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 pg/mL	Sodium heparin	150 mg	
	609	Megestrol Acetate	LC-MS/MS (Thermo)	Human Plasma	0.3 to 153.6 ng/mL	K <sub>2</sub> EDTA	40 mg / mL	
	610	Meloxicam	HPLC-UV	Human Plasma or Dog Plasma	0.03 to 1.92 µg / mL	K <sub>2</sub> EDTA	-	
	611	Meloxicam	LC-MS/MS (API 3000)	Human Urine	1 to 128 ng / mL	Not applicable	-	
	612	Meloxicam	LC-MS/MS (API 3000)	Human Plasma	10 to 2560 ng / mL	K <sub>2</sub> EDTA	15 mg	
	613	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	Heparin	-	
	614	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	K <sub>2</sub> EDTA	-	
	615	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K <sub>2</sub> EDTA	-	
	616	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	-	
	617	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.026 to 15 ng/mL	K <sub>2</sub> EDTA	20 mg	
	618	L-Threo-Methylphenidate	LC-MS/MS (API 6500)	Human Plasma	1 to 195 pg/mL	K <sub>2</sub> EDTA	18 mg	
		D-Threo-Methylphenidate	LC-MS/MS (API 6500)	Human Plasma	25 to 9800 pg/mL	K <sub>2</sub> EDTA	NA	
	619	Methylphenidate Achiral	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K <sub>2</sub> EDTA	54 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	620	Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	100 to 30000 pg/mL(D)	K <sub>2</sub> EDTA	54 mg	
		Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	50 to 4000 pg/mL(L)	K <sub>2</sub> EDTA	54 mg	
	621	Methylprednisolone	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	Sodium fluoride potassium oxalate	-	
	622	Metoprolol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	200 mg	
	623	Metformin	LC-MS/MS (API 3000)	Human Plasma	10.01 to 2002 ng / mL	K <sub>2</sub> EDTA	1000 mg	
	624	Metformin	LC-MS (API 150)	Human Urine	2 to 256 µg / mL	Not applicable	1000 mg	
	625	Methazolamide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 10000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	626	Methazolamide	LC-MS/MS (Waters QPXE)	Human Whole Blood	100 to 50000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	627	Methazolamide	LC-MS/MS (Thermo)	Human Plasma	5 to 9800 ng/mL	K <sub>2</sub> EDTA	150 mg	
	628	Minocycline	LC-MS/MS (Thermo)	Human Plasma	4 to 3500 ng / mL	K <sub>2</sub> EDTA	45 mg to 135 mg	
	629	Mirtazapine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	-	
	630	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	-	
	631	Monomethyl fumarate	LC-MS/MS (API 6500)	Human Plasma	10 to 6000 ng/mL	K <sub>2</sub> EDTA	120 mg	
	632	Monomethyl fumarate	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 ng / mL	K <sub>2</sub> EDTA	240 mg DMF	
		Monoethyl fumarate	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 ng / mL	K <sub>2</sub> EDTA		
	633	Mycophenolic Acid	HPLC-UV	Human Plasma	0.1 to 51 µg / mL	K <sub>2</sub> EDTA	-	
	634	Mycophenolate Mofetil	LC-MS/MS (Thermo)	Human Plasma	0.04 to 20 ng / mL	K <sub>2</sub> EDTA	250 mg	
		Mycophenolic Acid	LC-MS/MS (Thermo)	Human Plasma	0.1 to 51 µg / mL	K <sub>2</sub> EDTA	-	
	635	6-Methoxy-2-Naphthaleneacetic Acid	HPLC - Fluorescence	Human Plasma	0.5 to 32 µg / mL	Heparin	-	
Location : India								
INDIA	636	Mebeverine acid	LC-MS/MS (Shimadzu 8060)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	135 mg of Mebeverine	
		Desmethyl Mebeverine acid	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	135 mg of Mebeverine	
	637	Mebeverine acid	LC-MS/MS (API 4000)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	135 mg of Mebeverine	
		Desmethyl mebeverine acid	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	135 mg of Mebeverine	
		Veratric acid	LC-MS/MS (API 4000)	Human Plasma	25 to 10000 ng / mL	K <sub>2</sub> EDTA	135 mg of Mebeverine	
	638	*Medroxy Progesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 8000 pg / mL	Sodium Heparin	150 mg	
	639	Medroxy Progesterone	LC-MS/MS (Shimadzu 8060)	Human Plasma	50 to 8000 pg/mL	Sodium heparin	150 mg	Yes
	640	Mefenamic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 10000 ng/mL	K <sub>2</sub> EDTA	250mg	
641	Megestrol Acetate	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	160 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	642	Melatonin	LC-MS/MS (API 4000)	Human Plasma	25 to 10000 pg / mL	K <sub>2</sub> EDTA	5 mg	
	643	Melatonin	LC-MS/MS (API 6500)	Human Plasma	25 to 15000 pg/mL	K <sub>2</sub> EDTA	3mg	
	644	Meloxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 3000 ng / mL	K <sub>2</sub> EDTA	15 mg	
	645	Meloxicam	LC-MS/MS (API 4000)	Human Plasma	20 to 3000 ng/mL	K <sub>2</sub> EDTA	15 mg	
	646	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	10 mg	
	647	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K <sub>2</sub> EDTA	20 mg	
	648	Memantine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng / mL	K <sub>2</sub> EDTA	20 mg	
	649	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	28 mg	
	650	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 700 ng / mL	K <sub>2</sub> EDTA	1000 mg	
	651	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	K <sub>2</sub> EDTA	1.2 gm	
	652	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500 mg	
	653	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	Sodium heparin	1000 mg	
	654	Metformin	LC-MS/MS (API 3200)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500mg	
	655	Methazolamide	LC-MS/MS (Thermo)	Human Blood	25 to 15000 ng/mL	K <sub>2</sub> EDTA	50 mg	
	656	Methimazole	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng/mL	K <sub>2</sub> EDTA	20 mg	Yes
	657	Methocarbamol	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 µg/mL	K <sub>2</sub> EDTA	750mg	
	658	Methotrexate	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K <sub>2</sub> EDTA	2.5 mg multiple dose	
	659	*L-Methylphenidate	LC-MS/MS (Waters QPXE)	Human Plasma	50 o 4000 pg / mL	K <sub>2</sub> EDTA	54 mg	
		*D-Methylphenidate	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 pg / mL	K <sub>2</sub> EDTA	54 mg	
	660	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)	
	661	Methylprednisolone	LC-MS/MS (API 4000)	Human Plasma	0.4 to 75 ng/mL	Sodium fluoride and Potassium oxalate	4 mg	
	662	Metoprolol	LC-MS/MS (API 4000)	Human Plasma	0.3 to 50 ng / mL	Heparin	23.75 mg	
	663	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng /mL	Heparin	47.5 / 50 mg	
	664	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.75 to 300 ng /mL	Sodium Heparin	100 / 200 mg	
	665	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	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	666	Milnacipran	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	50 mg	
	667	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	Heparin	90 mg	
	668	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 3500 ng / mL	K <sub>2</sub> EDTA	135 mg	
	669	Minoxidil	LC-MS/MS (API 4000)	Human Serum	50 to 4000 pg / mL	NA	5% lipid solution	
	670	Mirabegron	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	50 mg	
	671	Mirabegron	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K <sub>2</sub> EDTA	50mg	
	672	Misoprostol Acid	LC-MS/MS (API 6500)	Human Plasma	5 to 750 pg / mL	K <sub>2</sub> EDTA	0.2 mg (fed study)	
	673	*Misoprostol Acid	LC-MS/MS (API 4000)	Human Plasma	10 to 1700 pg / mL	K <sub>2</sub> EDTA	0.2 mg (fasting study)	
	674	Moexipril	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	15 mg	
	675	Monomethyl Fumarate	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	240 mg DMF	
	676	Monomethyl Fumarate	LC-MS/MS (API 6500)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	120 mg	Yes
	677	Monomethyl Fumarate	LC-MS/MS (Shimadzu 8045)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	240 mg	Yes
	678	Monoxidine	LC-MS/MS (Thermo)	Human Plasma	30 to 7500 pg/mL	K <sub>2</sub> EDTA	400 µg	
	679	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	Heparin	10 mg	
	680	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	5 mg	
	681	Moxifloxacin	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	400 mg	
	682	Moxifloxacin	LC-MS/MS (API 4000)	Human Plasma	15 to 6000 ng / mL	Sodium heparin	400 mg	
	683	Mycophenolate Mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 10 ng/mL	K <sub>2</sub> EDTA	250 mg	
		Mycophenolic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 25000 ng/mL	K <sub>2</sub> EDTA	NA	
	684	Mycophenolate mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 10 ng / mL	K <sub>2</sub> EDTA	500 mg	
Mycophenolic acid		LC-MS/MS (Waters QPXE)	Human Plasma	75 to 25000 ng / mL	K <sub>2</sub> EDTA	-		
685	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg / mL	K <sub>2</sub> EDTA	360 mg		
686	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng / mL	K <sub>2</sub> EDTA	180 mg		
687	Mycophenolic acid	LC-MS/MS (API 3200)	Human Plasma	50 to 16000 ng/mL	K <sub>2</sub> EDTA	180 mg		
688	Mycophenolate mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 20 ng / mL	K <sub>2</sub> EDTA	1 gm		
	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 50000 ng / mL	K <sub>2</sub> EDTA	-		
<b>N</b>								
<b>Location : Canada</b>								
CANADA	689	Nadolol	LC-MS/MS (API 3000)	Human Plasma	2 to 256 ng / mL	K <sub>2</sub> EDTA	-	
		Bendroflumethiazide	LC-MS/MS (API 3000)	Human Plasma	1 to 128 ng / mL	K <sub>2</sub> EDTA	-	
	690	Naloxone	LC-MS/MS (API 6500)	Human Plasma	1 to 500 pg/mL	K <sub>2</sub> EDTA	20 mg	Yes
	691	Naloxone-3-β-D-Glucuronide	LC-MS/MS (API 6500)	Human Plasma	1 to 300 ng/mL	K <sub>2</sub> EDTA	20 mg	Yes
Oxycodone		LC-MS/MS (API 6500)	Human Plasma	0.5 to 150 ng/mL	K <sub>2</sub> EDTA	40 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	692	Naltrexone	LC-MS/MS (API 3000)	Human or Dog Plasma	0.1 to 205 ng / mL	Sodium heparin for human plasma; K <sub>3</sub> 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 <sub>3</sub> EDTA for dog plasma	-	
	693	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	-	
	694	Naproxen	HPLC - Fluorescence	Human Plasma	0.5 to 128 µg / mL	Heparin	-	
	695	Nebivolol	LC-MS/MS (API 6500)	Human Plasma	15 to 5000 pg/mL	K <sub>2</sub> EDTA	5 mg	
	696	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	-	
	697	Niacin	LC-MS/MS (Thermo)	Human Plasma	20 to 2000 ng / mL	K <sub>2</sub> EDTA	1000 mg	
		Nicotinuric acid	LC-MS/MS (Thermo)	Human Plasma	20 to 2000 ng / mL	K <sub>2</sub> EDTA	-	
	698	Nifedipine	LC-MS (API 150)	Human Plasma	0.5 to 200 ng / mL	K <sub>3</sub> EDTA	60 mg	
	699	Nifedipine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	60 mg	
	700	Nintedanib	LC-MS/MS (Thermo)	Human Plasma	0.050- 20 ng/mL	K <sub>2</sub> EDTA	150mg	
	701	Nitrofurantoin	HPLC-UV	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-	
	702	Nizatidine	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Heparin	300 mg	
		Desmethylnizatidine	HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-	
	703	Norfloracin	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	K <sub>3</sub> EDTA	-	
	704	Nortriptyline	HPLC-UV	Human Plasma	1 to 64 ng / mL	K <sub>3</sub> EDTA	-	
705	Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K <sub>2</sub> EDTA	0.35 mg / 1 mg		
706	S-Norketotifen	LC-MS/MS (Thermo)	Human Plasma	1 - 1000 ng/mL	K <sub>2</sub> EDTA	4 mg/8mg/16mg		
	R- Norketotifen	LC-MS/MS (Thermo)	Human Plasma	1 - 1000 ng/mL	K <sub>2</sub> EDTA	NA		
Location : India								
INDIA	707	*Nabilone	LC-MS/MS (Thermo)	Human Plasma	40 to 5000 pg / mL	K <sub>2</sub> EDTA	0.3 mg	
	708	Nadolol	LC-MS/MS (API 4000)	Human Plasma	0.25 to 45 ng / mL	K <sub>2</sub> EDTA	20 mg	
	709	Nadolol	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	80 mg	
	710	Naloxegol	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.1 to 125 ng/mL	K <sub>2</sub> EDTA	25 mg	
	711	Naltrexone	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 35500 pg / mL	Heparin	50 mg	
	712	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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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	713	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	-	
	714	Naratriptan	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 ng / mL	Heparin	2.5 mg	
	715	Naproxen	LC-MS/MS (API 2000)	Human Plasma	500 to 50000 ng / mL	K <sub>2</sub> EDTA	200 mg	
	716	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K <sub>2</sub> EDTA	500 mg	
	717	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K <sub>2</sub> EDTA	500 mg	
		Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1500 ng / mL	K <sub>2</sub> EDTA	20 mg	
	718	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K <sub>2</sub> EDTA	500 mg	
		Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K <sub>2</sub> EDTA	20 mg	
	719	Nateglinide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K <sub>2</sub> EDTA	120 mg	
	720	Nebivolol	LC-MS/MS (API 4000)	Human Plasma	0.075 to 20 ng / mL	Heparin	20 mg	
	721	Nevirapine	HPLC-UV	Human Plasma	100 to 4000 ng / mL	CPD	200 mg	
	722	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 2000 ng / mL	K <sub>2</sub> EDTA	1000 mg / 750 mg	
	723	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	500 mg	
	724	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 2000 ng / mL	K <sub>2</sub> EDTA	1000 mg	
		*Nicotinic acid	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K <sub>2</sub> EDTA	-	
	725	Nicorandil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg	
	726	Nifedipine	LC-MS/MS (API 2000)	Human Plasma	2.5 to 250 ng / mL	K <sub>2</sub> EDTA	60 mg / 90 mg	
	727	Nimodipine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	30 mg	
	728	Nintedanib	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 75 ng/mL	K <sub>2</sub> EDTA	150 mg	Yes
729	*Nitrazepam	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	5 mg		
730	Nitrofurantoin	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	100 mg		
731	Nizatidine	HPLC-UV	Human Plasma	20 to 4000 ng / mL	K <sub>2</sub> EDTA / Heparin	300 mg		
732	Nomegestrol Acetate	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.1 to 20 ng / mL	K <sub>2</sub> EDTA	2.5 mg		
733	19-Norethindrone	LC-MS/MS (API 4000)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg		
734	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	0.075 to 15 ng / mL	K <sub>2</sub> EDTA	1 mg		
735	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 µg / mL	K <sub>2</sub> EDTA	0.35 mg		
736	Nortriptyline	LC-MS/MS (Thermo)	Human Plasma	0.1 to 75 ng / mL	K <sub>2</sub> EDTA	50 mg		
737	Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 20 ng / mL	K <sub>2</sub> EDTA	25 mg		
<b>O</b>								
Location : Canada								
CANADA	738	Olanzapine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	10 mg	
	739	Olmesartan	LC-MS/MS (API 3000)	Human Plasma	6 to 1536 ng / mL	K <sub>2</sub> EDTA	40 mg	
		Hydrochlorothiazide	LC-MS/MS (API 3000)	Human Plasma	2.01 to 512.46 ng / mL	K <sub>2</sub> EDTA	25 mg	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	740	Omeprazole	LC-MS/MS (API 3000)	Human Plasma	1 to 1024 ng / mL	Sodium heparin	-	
	741	Omeprazole	LC-MS/MS (Thermo)	Human Plasma	5 to 3450 ng / mL	K <sub>2</sub> EDTA	40 mg	
	742	Ondansetron	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Lithium heparin	8 mg	
	743	Oxcarbazepine	LC-MS/MS (API 3000)	Human Plasma	0.01 to 10 µg / mL	K <sub>2</sub> EDTA	300 mg/ 5 mL	
	744	10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51.2 µg / mL	K <sub>2</sub> EDTA	-	
	745	Oxcarbazepine	LC-MS/MS (Thermo)	Human Plasma	0.01 to 5.12 µg / mL	K <sub>2</sub> EDTA	300 mg/ 5 mL	
		10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25.6 µg / mL	K <sub>2</sub> EDTA	-	
	746	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K <sub>2</sub> EDTA	5 mg	
	747	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	80 mg	
	748	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	-	
	749	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.234 to 60 ng / mL	K <sub>2</sub> EDTA	20 mg	
		Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	0.234 to 60 ng / mL	K <sub>2</sub> EDTA	-	
	750	Oxycodone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 255 ng / mL	K <sub>3</sub> EDTA	-	
		Noroxycodone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K <sub>3</sub> EDTA	-	
		Oxymorphone	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51.2 ng / mL	K <sub>2</sub> EDTA	-	
	751	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	-	
	752	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	40 to 1280 pg / mL	K <sub>2</sub> EDTA	-	
		Hydroxy Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	25 to 800 pg / mL	K <sub>2</sub> EDTA	-	
	753	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	40 to 3200 pg / mL	K <sub>2</sub> EDTA	10 mg	
		Hydroxy Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	25 to 2000 pg / mL	K <sub>2</sub> EDTA	10 mg	
	754	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	0.025 to 8.000 ng/mL	K <sub>2</sub> EDTA	20 mg	
Hydroxy Oxymorphone		LC-MS/MS (Thermo)	Human Plasma	0.025 to 8.000 ng/mL	K <sub>2</sub> EDTA	20 mg		
Location : India								
INDIA	755	*Orlistate (Fat analysis)	FT-IR	Human Fecal/ Human Food	0.25 to 10 g %	NA	60 mg / 120 mg	
	756	Oglimilast (GRC 3886)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	200 mg	
		Oglimilast N-Oxide (GRC 3886 N-Oxide)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	-	
	757	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	Sodium heparin	5 mg	
	758	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 45 ng / mL	Sodium Heparin	10 mg	
	759	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 1500 ng / mL	K <sub>2</sub> EDTA	20 mg	
760	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	0.25 to 500 ng / mL	K <sub>2</sub> EDTA	5 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	761	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	5 to 4500 ng/mL	K <sub>2</sub> EDTA	40 mg	Yes
	762	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	10 mg	
	763	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K <sub>2</sub> EDTA	20 mg	
	764	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K <sub>2</sub> EDTA	40 mg	
	765	Omeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 2200 ng/ml	K <sub>2</sub> EDTA	20 mg	
	766	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	Heparin	8 mg	
	767	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	8 mg	
	768	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K <sub>2</sub> EDTA	50 mg	
	769	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	100 mg	
	770	Ospemifene	LC-MS/MS (Waters QPXE)	Human Serum	3 to 2400 ng / mL	NA	60 mg	
	771	*Oxazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	50 mg	
	772	Oxcarbazepine	LC-MS/MS (API 3200)	Human Plasma	20 to 4000 ng / mL	K <sub>2</sub> EDTA	600 mg	
		10,11-dihydro-10-hydroxycarbamazepine	LC-MS/MS (API 3200)	Human Plasma	50 to 16000 ng / mL	K <sub>2</sub> EDTA	-	
	773	*Oxybutynin (S & R)	LC-MS/MS (API 4000)	Human Plasma	25 to 7500 pg / mL	K <sub>2</sub> EDTA	5 mg	
	774	Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.07 to 15 ng / mL	K <sub>2</sub> EDTA	5 mg	
N-Desethyl Oxybutynin		LC-MS/MS (Waters QPXE)	Human Plasma	0.38 to 75 ng / mL	K <sub>2</sub> EDTA	-		
775	Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.08 to 15 ng / mL	K <sub>2</sub> EDTA	15 mg		
	N-Desethyl Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 75 ng / mL	K <sub>2</sub> EDTA	-		
<b>P</b>								
Location : Canada								
CANADA	776	Pantoprazole	LC-MS/MS (API 3000)	Human Plasma	20 to 5120 ng / mL	K <sub>2</sub> EDTA	40 mg	
	777	Paroxetine	HPLC - Fluorescence	Human Plasma	0.2 to 50 ng / mL	Sodium heparin	-	
	778	Paroxetine	HPLC - Fluorescence	Human Plasma	1.6 to 200 ng / mL	Sodium heparin	-	
	779	Pentoxifylline	HPLC-UV	Human Plasma	5 to 240 ng / mL	K <sub>3</sub> EDTA	-	
	780	Pergolide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 1.28 ng / mL	Heparin	-	
	781	Phenylephrine (Total)	LC-MS/MS (Thermo)	Human Plasma	4 to 512 ng / mL	K <sub>2</sub> EDTA	10 mg	
	782	Phenytoin	HPLC-UV	Human Plasma	0.04 to 2.56 µg / mL	K <sub>3</sub> EDTA	-	
	783	Phytonadione- Trans	LC-MS/MS (API 6500)	Human Plasma	0.3 to 100 ng/mL	K <sub>2</sub> EDTA	5 mg	
		Phytonadione- Cis	LC-MS/MS (API 6500)	Human Plasma	0.3 to 100 ng/mL	K <sub>2</sub> EDTA	5 mg	
	784	Phytonadione- Trans	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K <sub>2</sub> EDTA	5 mg	
		Phytonadione- Cis	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K <sub>2</sub> EDTA	5 mg	
	785	Pramipexole	LC-MS/MS (Thermo)	Human Plasma	50 to 3200 pg / mL	K <sub>2</sub> EDTA	-	
	786	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng / mL	K <sub>2</sub> EDTA	10 mg of Prasugrel	
787	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (Thermo)	Human Plasma	0.25 to 127 ng / mL	K <sub>2</sub> EDTA	10 mg of Prasugrel		



# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	788	Pravastatin	LC-MS/MS (API 3000)	Human Plasma	0.25 to 128 ng / mL	Sodium heparin	-	
		3- $\alpha$ -Hydroxy Pravastatin	LC-MS/MS (API 3000)	Human Plasma	0.25 to 128 ng / mL	Sodium heparin	-	
	789	Pravastatin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	80 mg	
		3- $\alpha$ -Hydroxy Pravastatin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-	
	790	Pravastatin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	Sodium heparin	80 mg	
		3- $\alpha$ -Hydroxy Pravastatin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-	
	791	Primidone	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 $\mu$ g / mL	K <sub>2</sub> EDTA	-	
		Phenobarbital	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 $\mu$ g / mL	K <sub>2</sub> EDTA	-	
		Phenylethylmalonamide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 $\mu$ g / mL	K <sub>2</sub> EDTA	-	
	792	Progesterone	LC-MS/MS (API 6500)	Human Plasma	0.04 to 40 pg/mL	K <sub>2</sub> EDTA	200 mg (Fasting)	
	Location : India							
	INDIA	793	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4500 ng / mL	Heparin	175 mg
794		Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Whole Blood	50 to 30000 ng / mL	Heparin	220 mg / m <sup>2</sup> (IV)	
795		*Paclitaxel (Free)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	Heparin	220 mg / m <sup>2</sup> (IV)	
796		Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	25 to 25000ng / mL	K <sub>2</sub> EDTA	100 mg	
797		Paclitaxel (Free)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	21.7 (mg/kg)	
798		Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Blood	25 to 25000 ng / mL	K <sub>2</sub> EDTA	-	
799		*Paricalcitol	LC-MS/MS (Waters XEVO TQ-S)	Wistar Rat Plasma	50 to 30500 pg / mL	Sodium heparin	Multiple dose	
800		Palbociclib	LC-MS/MS (Shimadzu 8045)	Human Plasma	0.2 to 150 ng/mL	K <sub>2</sub> EDTA	125 mg	
801		Paliperidone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K <sub>2</sub> EDTA	6 mg	
802		Paracetamol	LC-MS/MS (API 3200)	Human Plasma	50 to 10000 ng / mL	K <sub>2</sub> EDTA	300 mg / 500 mg	
803		Paracetamol	LC-MS/MS (Shimadzu 8045)	Human Plasma	50 to 10000 ng/mL	K <sub>2</sub> EDTA	665 mg	
804		Paroxetine	LC-MS/MS (API 6500)	Human Plasma	0.03 to 35 ng/mL	K <sub>2</sub> EDTA	37.5 mg	
805		Paroxetine	LC-MS/MS (API 4000)	Human Plasma	0.25 to 125 ng/mL	K <sub>2</sub> EDTA	37.5 mg	
806		Pantoprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 5000 ng / mL	Heparin	40 mg	
807		Penicillin V	HPLC-UV	Human Plasma	0.1 to 4 $\mu$ g / mL	Heparin	250 mg	
808		Perampanel	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng / mL	K <sub>2</sub> EDTA	12 mg	
809		Perphenazine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 2500 pg / mL	K <sub>2</sub> EDTA	16 mg	
810		Phenytoin	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	K <sub>2</sub> EDTA	300mg (3X100mg)	
811		Phenyl butyrate	LC-MS/MS (API 3200)	Human Plasma	0.1 to 50 $\mu$ g / mL	K <sub>2</sub> EDTA	500 mg	
812		*Phytonadione (Vitamin K1) (Trans)	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.4 to 100 ng / mL	K <sub>2</sub> 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 <sub>2</sub> EDTA	5 mg (fasting study)		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
813	*Phytonadione (Vitamin K1) (Trans)	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	5 mg (fed study)	
	*Phytonadione (Vitamin K1) (Cis)	LC-MS/MS (API 6500)	Human Plasma	1 to 100 ng / mL	K <sub>2</sub> EDTA	5 mg (fed study)	
814	*Pilocarpine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg	
	*Pilocarpic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	K <sub>2</sub> EDTA	-	
815	Pioglitazone	LC-MS/MS (API 2000)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
816	Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
817	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	-	
818	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	
819	Pirfenidone	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	3 X 267 mg	
820	Pirfenidone	LC-MS/MS (Thermo)	Human Plasma	50 to 30000 ng / mL	K <sub>2</sub> EDTA	3 X 267 mg	Yes
821	Pirfenidone	LC-MS/MS (Shimadzu 8060)	Human Plasma	50 to 30000 ng / mL	K <sub>2</sub> EDTA	801 mg	
822	Piroxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 4000 ng / mL	K <sub>2</sub> EDTA	20 mg	
823	PNB-001	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	CT study(NCE)	
824	Potassium Chloride	Vitros 5.1,FS	Human Urine	2.041 to 150.358 mEq/L	NA	80mEq	
825	Potassium Citrate (Analyte - Potassium )	Vitros 5.1,FS	Human Urine	2 to 150 mmol/L	NA	60 mEq (4 X 15 mEq)	
826	Pomalidomide	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 125 ng / mL	K <sub>2</sub> EDTA	4 mg	
827	Pramipexole	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 1000 pg / mL	K <sub>2</sub> EDTA	0.25 mg	
828	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 150 ng / mL	K <sub>2</sub> EDTA	10 mg of Prasugrel	
829	*Prasugrel active metabolite (R-138727)	LC-MS/MS (API 4000)	Human Plasma	0.2 to 150 ng / mL	K <sub>2</sub> EDTA	10 mg of Prasugrel	
830	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng/mL	K <sub>2</sub> EDTA	10 mg of Prasugrel	
831	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	10 mg of Prasugrel	
832	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (API 4000)	Human Plasma	0.25 to 150 ng / mL	K <sub>2</sub> EDTA	10 mg of Prasugrel	
833	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	40 mg/ 80 mg	
	3- $\alpha$ -Hydroxy Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	K <sub>2</sub> EDTA	-	
834	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>3</sub> EDTA	40 mg/ 80 mg	
	3- $\alpha$ -Hydroxy Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	K <sub>3</sub> EDTA	-	
835	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	40 mg/ 80 mg	
836	Prednisolone	LC-MS/MS (API 3200)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	25 mg	
837	Prednisolone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	5 mg	
838	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 15000 ng / mL	K <sub>2</sub> EDTA	300 mg	

INDIA

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	839	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 2500 ng / mL	K <sub>2</sub> EDTA	50 mg	
	840	Pregabalin	LC-MS/MS (Shimadzu 8040)	Human Plasma	20 to 5000 ng / mL	K <sub>2</sub> EDTA	75 mg	
	841	Prochlorperazine	LC-MS/MS (API 4000)	Human Plasma	5 to 300 pg / mL	Heparin	5 mg	
	842	Prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 300 pg / mL	Sodium heparin	3 mg	
	843	prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 700 pg / mL	Sodium heparin	3 mg (buccal tablet)	
	844	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	0.04 to 40 ng / mL	K <sub>2</sub> EDTA	200 mg (fasting)	
	845	*Progesterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 150 ng / mL	K <sub>2</sub> EDTA	200 mg (fed)	
	846	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K <sub>2</sub> EDTA	100 mg	
	847	Proguanil	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	100 mg	
	848	Promethazine	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng/mL	K <sub>2</sub> EDTA	25 mg	
	849	Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K <sub>2</sub> EDTA	300 mg	
		5-Hydroxy Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 400 ng / mL	K <sub>2</sub> EDTA	-	
	850	Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	300 mg / 500 mg	
	851	S-Propranolol (Total)	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng/mL	K <sub>2</sub> EDTA	40 mg	
	852	Propylthiouracil	LC-MS/MS (Waters QPXE)	Human Plasma	7.5 to 4000 ng / mL	K <sub>2</sub> EDTA	50 mg	
	853	Pseudoephedrine	LC-MS/MS (API 3200)	Human Plasma	2 to 400 ng/mL	Heparin	30 mg	
	854	Pyrazinamide	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 30000 ng/mL	K <sub>2</sub> EDTA	600 mg	
	855	2-Pyridylacetic acid	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 800 ng / mL	K <sub>2</sub> EDTA	16 mg of Betahistine	
856	2-Pyridyl acetic acid	LC-MS/MS (Thermo)	5% Selegiline buffered Human Plasma	10 to 1500 ng/mL	K <sub>2</sub> EDTA	24 mg		
<b>Q</b>								
CANADA	Location : Canada							
	857	Quetiapine	LC-MS/MS (Thermo)	Human Plasma	1 to 1024 ng / mL	K <sub>2</sub> EDTA	200 mg	
	858	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	20 mg	
INDIA	Location : India							
	859	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	-	
	860	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K <sub>2</sub> EDTA	50 mg	
		N-desalkyl Quetiapine	LC-MS/MS (API 2000)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	-	
	861	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 350 ng / mL	Heparin	25 mg / 50 mg	
862	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K <sub>2</sub> EDTA	50 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	863	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	-	
	864	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	Sodium heparin	150 mg / 200 mg	
	865	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	150 mg / 200 mg	
	866	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	20 to 2000 ng / mL	K <sub>2</sub> EDTA	300 /400 mg	
		N-Des Alkylated Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	-	
	867	Quetiapine	LC-MS/MS (API 3200)	Human Plasma	20 to 2500 ng / mL	Sodium heparin	300 /400 mg	
	868	Quetiapine	LC-MS/MS (API 4000)	Human Plasma	1 to 1000 ng/mL	Sodium heparin	100 mg	Yes
	869	Quinapril	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng / mL	K <sub>3</sub> EDTA	10 mg	
870	Quinine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 5000 ng /mL	K <sub>2</sub> EDTA	300 mg		
<b>R</b>								
Location : Canada								
CANADA	871	Rabeprazole	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	K <sub>2</sub> EDTA	20 mg	
	872	Ramipril	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	2.5 mg	
		Ramiprilat	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	-	
	873	Ramipril	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	2.5 mg	
		Ramiprilat	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	-	
	874	Ramipril	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51 ng / mL	K <sub>3</sub> EDTA	10 mg	
		Ramiprilat	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51 ng / mL	K <sub>3</sub> EDTA	-	
	875	Ramipril	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	K <sub>2</sub> EDTA	10 mg	
		Ramiprilat	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	K <sub>2</sub> EDTA	-	
	876	Ranitidine	LC-MS/MS (Thermo)	Human Plasma	15 to 1920 ng / mL	K <sub>2</sub> EDTA	300 mg	
	877	Rifabutin	LC-MS (API 150)	Human Plasma	10 to 1280 ng / mL	K <sub>2</sub> EDTA	-	
		25-O-Desacetyl rifabutin	LC-MS (API 150)	Human Plasma	2.5 to 320 ng / mL	K <sub>2</sub> EDTA	-	
		Clofazimine	LC-MS (API 150)	Human Plasma	5 to 640 ng / mL	K <sub>2</sub> EDTA	-	
	878	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	35 mg	
	879	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 128 ng / mL	K <sub>2</sub> EDTA	75 mg	
	880	Rivastigmine	LC-MS/MS (Thermo)	Human Plasma	0.3 to 63 ng / mL	K <sub>2</sub> EDTA	Transdermal Patch 9.5 mg	
881	Rosiglitazone	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	Sodium heparin	8 mg		
882	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25 ng / mL	K <sub>2</sub> EDTA	20 mg		
883	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
Location : India								
INDIA	884	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA/ Heparin	20 mg	
	885	Rabeprazole	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	10 / 20 mg	
	886	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	10 / 20 mg	
	887	*Raloxifene	LC-MS/MS (Thermo)	Human Plasma	20 to 1000 pg / mL	K <sub>2</sub> EDTA	60 mg	
		*Raloxifene 4-glucuronide	LC-MS/MS (Thermo)	Human Plasma	0.6 to 400 ng / mL	K <sub>2</sub> EDTA	-	
		*Raloxifene 6-glucuronide	LC-MS/MS (Thermo)	Human Plasma	0.35 to 100 ng / mL	K <sub>2</sub> EDTA	-	
	888	*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	-	
	889	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	-	
	890	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 150 ng / mL	Heparin	15 mg	
	891	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.05 to 40 ng / mL	Heparin	2.5 mg / 5 mg	
	892	Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng/mL	Sodium heparin	10mg	
	893	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K <sub>2</sub> EDTA	1000 mg	
	894	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	1000 mg	
	895	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng/mL	K <sub>2</sub> EDTA	500 mg	
	896	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	Heparin	150 / 300 mg	
	897	Ranitidine	HPLC-UV	Human Plasma	25 to 1500 ng / mL	K <sub>2</sub> EDTA / Heparin	300 mg	
	898	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	5 to 600 ng / mL	K <sub>2</sub> EDTA / Heparin	75 mg	
	899	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 14000 pg / mL	K <sub>2</sub> EDTA	1 mg (Fasting study)	
	900	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 6000 pg/mL	K <sub>2</sub> EDTA	1 mg ( Fed study)	
	901	Repaglinide	LC-MS/MS (API 3200)	Human Plasma	0.25 to 30 ng / mL	K <sub>2</sub> EDTA	2 mg	
	902	Rifampicin	LC-MS/MS (API 4000)	Human Plasma	200 to 15000ng / mL	K <sub>2</sub> EDTA	150mg	
		Desacetyl Rifampicin	LC-MS/MS (API 4000)	Human Plasma	10 to 2000ng / mL	K <sub>2</sub> EDTA	150mg	
	903	Rifampicin	LC-MS/MS (API 4000)	Human Plasma	75 to 15000 ng /mL	K <sub>2</sub> EDTA	150mg/300mg	
25 Desacetyl Rifampicin		LC-MS/MS (API 4000)	Human Plasma	10 to 4000 ng / mL	K <sub>2</sub> EDTA	NA		
904	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K <sub>2</sub> EDTA	550 mg		
905	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng / mL	K <sub>2</sub> EDTA	550 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method		
INDIA	906	Rifaximin	LC-MS/MS (API 6500)	Human Plasma	5 to 1500 pg/mL	K <sub>2</sub> EDTA	200 mg		
	907	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	25 to 6000 pg/mL	K <sub>2</sub> EDTA	550 mg		
	908	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	100 to 36000 pg/mL	K <sub>2</sub> EDTA	550 mg		
	909	Rilpivirine	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 300 ng/mL	K <sub>2</sub> EDTA	25mg		
	910	Rivaroxaban	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 125 ng / mL	K <sub>2</sub> EDTA	2.5 mg		
	911	Rivaroxaban	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	10 mg / 20 mg		
	912	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 80 ng / mL	Heparin	35 mg		
	913	*Risedronate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	30 to 80000 pg / mL	Sodium heparin	35 mg		
	914	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 160 ng / mL	Heparin	75 mg		
	915	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 250 ng / mL	Heparin	150 mg		
	916	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	-		
	917	Rizatriptan	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 60 ng / mL	K <sub>2</sub> EDTA	10 mg		
	918	Rupatadine	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K <sub>2</sub> EDTA	10 mg		
	919	Ropinirole	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K <sub>2</sub> EDTA	2 mg		
	920	Ropinirole	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 pg / mL	K <sub>2</sub> EDTA	0.25 mg		
	921	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	15 to 900 ng / mL	K <sub>2</sub> EDTA	8 mg		
	922	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng / mL	K <sub>2</sub> EDTA	4 mg		
	923	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> EDTA	5 mg / 10 mg		
	924	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.15 to 60 ng / mL	K <sub>2</sub> EDTA	20 mg		
	925	Rosuvastatin	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	40 mg		
	926	Roxithromycin	LC-MS/MS (Shimadzu 8045)	Human Plasma	0.05 to 25 µg/mL	K <sub>2</sub> EDTA	150 mg		
	<b>S</b>								
	Location : Canada								
	CANADA	927	Sertraline	LC-MS/MS (API 3000)	Human Plasma	0.25 to 250 ng / mL	Sodium heparin	100 mg	
			N-Desmethylsertraline	LC-MS/MS (API 3000)	Human Plasma	0.25 to 250 ng / mL	Sodium heparin	-	
928		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	-		
929		Simvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 51.2 ng / mL	K <sub>2</sub> EDTA	80 mg		
		Simvastatin Hydroxy Acid	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25.6 ng / mL	K <sub>2</sub> EDTA	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	930	Sirolimus	LC-MS/MS (API 3000)	Human Whole Blood	0.4 to 51 ng / mL	K <sub>2</sub> EDTA	2 mg	
	931	Sitagliptin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K <sub>2</sub> EDTA	100 mg	
	932	Sotalol	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	heparin	-	
	933	Sulfamethoxazole	HPLC-UV	Human Plasma	0.2 to 102 µg / mL	K <sub>3</sub> EDTA	-	
		Trimethoprim	HPLC-UV	Human Plasma	0.02 to 2.56 µg / mL	K <sub>3</sub> EDTA	50 mg	
	934	Sufentanil	LC-MS/MS (Thermo)	Human Plasma	0.01 to 1.28 ng / mL	K <sub>2</sub> EDTA	-	
		Triazolam	LC-MS/MS (Thermo)	Human Plasma	0.1 to 12.8 ng / mL	K <sub>2</sub> EDTA	-	
	935	Sufentanil	LC-MS/MS (Thermo)	Human Plasma	2 to 256 pg / mL	K <sub>2</sub> EDTA	10 mcg	
		Triazolam	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6.4 ng / mL	K <sub>2</sub> EDTA	200 mcg	
	936	Sulfasalazine	LC-MS (API 150)	Human Plasma	20 to 2560 ng / mL	K <sub>3</sub> EDTA	-	
		Sulfapyridine	LC-MS (API 150)	Human Plasma	200 to 25600 ng / mL	K <sub>3</sub> EDTA	-	
		5-Aminosalicylic Acid	LC-MS (API 150)	Human Plasma	20 to 2560 ng / mL	K <sub>3</sub> EDTA	-	
		Acetyl-5-Aminosalicylic Acid	LC-MS (API 150)	Human Plasma	10 to 1280 ng / mL	K <sub>3</sub> EDTA	-	
	937	Sumatriptan	LC-MS/MS (API 300 or 3000)	Human Plasma or Pig Plasma	0.5 to 128 ng / mL	K <sub>3</sub> EDTA	-	
	Location : India							
INDIA	938	*Salmeterol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K <sub>2</sub> EDTA	50 mcg	
	939	Secnidazole	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 µg / mL	K <sub>2</sub> EDTA	1 gm	
	940	Sertraline	LC-MS/MS (API 3200)	Human Plasma	1 to 100 ng / mL	Sodium Heparin	100 mg	
	941	Sertraline	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 40 ng / mL	Heparin	50 mg	
	942	Sibutramine	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 pg / mL	Heparin / K <sub>2</sub> EDTA	15 mg	
		Desmethyl Sibutramine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10800 pg / mL	Heparin / K <sub>2</sub> EDTA	-	
		Didesmethyl Sibutramine	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 15000 pg / mL	Heparin / K <sub>2</sub> EDTA	-	
	943	Sildenafil	LC-MS/MS (API 3200)	Human Plasma	4 to 2000 ng / mL	K <sub>2</sub> EDTA	100 mg	
		Desmethyl Sildenafil	LC-MS/MS (API 3200)	Human Plasma	2 to 700 ng / mL	K <sub>2</sub> EDTA	-	
	944	Sildenafil	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg	
		Desmethyl Sildenafil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 75 ng / mL	K <sub>2</sub> EDTA	-	
	945	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	-	
	946	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	-	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	947	Simvastatin	LC-MS/MS (Thermo)	Human Plasma	30 to 15000 µg / mL	Sodium heparin	10 mg	
	948	Sirolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.15 to 25 ng / mL	K <sub>2</sub> EDTA	2 mg	
	949	Sirolimus	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	40 to 12000 µg / mL	K <sub>2</sub> EDTA	0.5 mg	
	950	Sitagliptin	LC-MS/MS (API 4000)	Human Plasma	1 to 600 ng/mL	Sodium heparin	100mg/50mg	
	951	Sofosbuvir	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	400 mg	Yes
	952	Solifenacin	LC-MS/MS (Thermo)	Human Plasma	0.2 to 50 ng/mL	K <sub>2</sub> EDTA	10 mg	
	953	Spirolonolactone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 300 ng / mL	K <sub>2</sub> EDTA	100 mg	
		Canrenone	LC-MS/MS (API 3200)	Human Plasma	1 to 200 ng / mL	K <sub>2</sub> EDTA	-	
	954	Spirolonolactone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K <sub>2</sub> EDTA	25 mg	
	955	Spirolonolactone	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.7 to 300 ng / mL	K <sub>2</sub> EDTA	100 mg	
	956	Sulfamethoxazole	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 90000 ng / mL	K <sub>2</sub> EDTA	800 mg	
		Trimethoprim	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	160 mg	
	957	Sumatriptan	LC-MS/MS (API 2000)	Human Plasma	1 to 100 ng / mL	Heparin	100 mg	
	958	Sunitinib	LC-MS/MS (API 4000)	Human Plasma	0.1 to 12 ng/mL	Sodium heparin	12.5 mg	Yes
	959	Sunitinib	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng/mL	Sodium heparin	50mg	
<b>T</b>								
Location : Canada								
CANADA	960	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	0.5 to 4 mg	
	961	Tamoxifen	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K <sub>2</sub> EDTA	20 mg	
	962	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	-	
	963	Tamsulosin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> EDTA	-	
	964	Temazepam	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K <sub>2</sub> EDTA	30 mg	
	965	Terazosin	HPLC - Fluorescence	Human Plasma	0.5 to 64 ng / mL	Heparin	-	
	966	Terbinafine	HPLC-UV	Human Plasma	0.01 to 2.5 µg / mL	K <sub>3</sub> EDTA	250 mg	
	967	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	K <sub>2</sub> EDTA	1% gel	
	968	Tetrabenazine	LC-MS/MS (Thermo)	Human Plasma	0.015 to 3.84 ng / mL	K <sub>2</sub> EDTA	50 mg	
		α-Dihydrotetrabenazine	LC-MS/MS (Thermo)	Human Plasma	0.625 to 160 ng / mL	K <sub>2</sub> EDTA	-	
		β-Dihydrotetrabenazine	LC-MS/MS (Thermo)	Human Plasma	0.469 to 120 ng / mL	K <sub>2</sub> EDTA	-	
	969	Tetracycline	LC-MS/MS (Thermo)	Human Plasma	200 to 20000 ng / mL	K <sub>2</sub> EDTA	500 mg	
	970	Theophylline	HPLC-UV	Human Plasma	0.15 to 19 µg / mL	K <sub>3</sub> EDTA	-	
	971	Ticagrelor	LC-MS/MS (Thermo)	Human Plasma	2.5 to 1500 ng/mL	K <sub>2</sub> EDTA	90mg	
Deshydroxyethoxy Ticagrelor		LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng/mL	K <sub>2</sub> EDTA	90mg		
972	Ticlopidine	HPLC-UV	Human Plasma	10 to 1280 ng / mL	K <sub>3</sub> EDTA	-		



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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	973	Tofacitinib	LC-MS/MS (Thermo)	Human Plasma	0.2 - 100 ng/mL	K <sub>2</sub> EDTA	11mg	
	974	Topiramate	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	5 to 2560 ng / mL	Sodium heparin	50 mg	
	975	Topiramate	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	Sodium heparin	200 mg	
	976	Torseimide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 10240 ng / mL	K <sub>3</sub> EDTA	-	
	977	Tramadol	HPLC - Fluorescence	Human Plasma	2.5 to 320 ng / mL	K <sub>3</sub> EDTA	-	
		O-Desmethyltramadol	HPLC - Fluorescence	Human Plasma	2.5 to 320 ng / mL	K <sub>3</sub> EDTA	-	
	978	Tramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	2 to 1024 ng / mL	K <sub>2</sub> EDTA	89 mg	
	979	O-Desmethyltramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	1 to 512 ng / mL	K <sub>2</sub> EDTA	-	
		O,N-di-Desmethyltramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	1 to 512 ng / mL	K <sub>2</sub> EDTA	-	
	980	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	-	
	981	Tramadol	LC-MS/MS (API 3000)	Dog Plasma	2 to 1024 ng / mL	K <sub>2</sub> EDTA	89 mg	
		O-Desmethyltramadol	LC-MS/MS (API 3000)	Dog Plasma	1 to 512 ng / mL	K <sub>2</sub> EDTA	-	
	982	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 1024 ng / mL	K <sub>2</sub> EDTA	89 mg	
		O-Desmethyltramadol	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K <sub>2</sub> EDTA	-	
		O,N-di-Desmethyltramadol	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K <sub>2</sub> EDTA	-	
		Meloxicam	LC-MS/MS (Thermo)	Human Plasma	3.75 to 1920 ng / mL	K <sub>2</sub> EDTA	-	
	983	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 500 ng/mL	K <sub>2</sub> EDTA	100 mg	
	984	Trazodone	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Heparin	-	
985	Triamcinolone acetonide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 6.4 ng/mL	K <sub>2</sub> EDTA	10 mg/mL		
986	Trimebutine	LC-MS/MS (Thermo)	Human Plasma	1 to 256 ng / mL	K <sub>2</sub> EDTA	96 mg		
	N-Desmethyltrimbutine	LC-MS/MS (Thermo)	Human Plasma	10 to 2560 ng / mL	K <sub>2</sub> EDTA	-		
Location : India								
INDIA	987	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	40 to 12000 pg / mL	K <sub>2</sub> EDTA	0.5 mg	
	988	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	40 to 12000 pg / mL	K <sub>2</sub> EDTA	0.5 mg / 1 mg	
	989	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	5 mg	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	990	*Tacrolimus	LC-MS/MS (Shimadzu 8060)	Human Blood	5 to 500 pg / mL	K <sub>2</sub> EDTA	0.1 % gel	
	991	Tacrolimus	LC-MS/MS (Thermo)	Human Blood	40 to 12000 pg/mL	K <sub>2</sub> EDTA	1 mg	
	992	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 1000 ng / mL	K <sub>2</sub> EDTA	20 mg	
	993	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	10 mg	
	994	Tadalafil	LC-MS/MS (Shimadzu 8040)	Human Plasma	1 to 200 ng / mL	K <sub>2</sub> EDTA	5 mg	
	995	Tamsulosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	0.4 mg	
	996	Tamoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	20 mg	
		Endoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	20 mg	
	997	Tapentadol	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 225 ng/mL	K <sub>2</sub> EDTA	250 mg	
	998	*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 <sub>2</sub> EDTA	400 mg injection	
	999	*Teicoplanin component (A 3)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 250 µg/ mL	K <sub>2</sub> EDTA	400 mg injection	
	1000	Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	80 mg	
	1001	*Temozolomide	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 ng / mL	Heparin	250 mg	
	1002	*Temozolomide Metabolite (MTIC)	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 600 ng /mL	Heparin	250 mg of Temozolamide	
	1003	Tenofovir	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	245 mg	
	1004	Tenofovir	LC-MS/MS (Waters QPXE)	Human Serum	3 to 800 ng / mL	NA	245 mg	
	1005	Tenofovir	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	245 mg	
	1006	Tenofovir	LC-MS/MS (Thermo)	Human Plasma	0.5 to 25 ng/mL	K <sub>2</sub> EDTA	25 mg	Yes
	1007	Tenofovir Alafenamide	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng/mL	K <sub>2</sub> EDTA	25 mg	
	1008	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K <sub>2</sub> EDTA / Heparin	20 mg	
	1009	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K <sub>2</sub> EDTA / Heparin	20 mg	
	1010	*Tetranor-PGEM	LC-MS/MS (API 4000)	Human Urine	1 to 50 ng / mL	NA	NA	
	1011	Terbinafine	LC-MS/MS (API 2000)	Human Plasma	5 to 3000 ng / mL	K <sub>2</sub> EDTA	250 mg	
1012	Teriflunomide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	K <sub>2</sub> EDTA	14 mg		
1013	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	1 % gel		
1014	Tetrabenazine	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg / mL	K <sub>2</sub> EDTA	25 mg		
	dihydro Tetrabenazine	LC-MS/MS (API 6500)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	-		
1015	Tetrabenazine	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg/mL	K <sub>2</sub> EDTA	25 mg		
	DihydroxyTetrabenazine	LC-MS/MS (API 6500)	Human Plasma	0.2 to 250 ng/mL	K <sub>2</sub> EDTA	25 mg		
1016	Thalidomide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	50 mg		
1017	Thiorphan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 160 ng / mL	K <sub>2</sub> EDTA	30 mg of Racecadotril		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	1018	*Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.2 to 20 ng / mL	Not applicable	NA	
	1019	Ticagrelor	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1500 ng / mL	K <sub>2</sub> EDTA	90 mg	
		Deshydroxyethoxy ticagrelor	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	-	
	1020	Tofacitinib	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	5 mg	
	1021	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4mg	
	1022	Tolterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4 mg	
	1023	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 30000 pg / mL	Sodium heparin	4 mg (steady state)	
	1024	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	-	
	1025	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	-	
	1026	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	-	
	1027	Tolvaptan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	30 mg	
	1028	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 4000 ng / mL	Heparin	50 / 100 mg	
	1029	Topiramate	LC-MS/MS (API 3200)	Human Plasma	10 to 600 ng / mL	Heparin	25 mg	
	1030	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	Sodium heparin	200 mg	
	1031	Torseamide	LC-MS/MS (API 3200)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	10 mg / 20 mg	
	1032	Tramadol	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	Heparin	37.5 mg / 50 mg	
	1033	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		
	1034	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	-	
	1035	Trazodone	LC-MS/MS (API 3200)	Human Plasma	5 to 3000 ng / mL	K <sub>2</sub> EDTA	100 mg	
	1036	Triamcinolone Acetonide	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg / mL	K <sub>2</sub> EDTA	40 mg / mL	
	1037	Trifluoperazine	LC-MS/MS (API 2000)	Human Plasma	0.05 to 10 ng / mL	CPD	-	
1038	Trimebutine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 30 ng / mL	K <sub>2</sub> EDTA	96 mg		
	N-Desmethyl Trimebutine	LC-MS/MS (API 3200)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	-		
1039	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 150 ng / mL	Heparin	35 mg		
1040	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 250 ng / mL	Heparin	35 mg multiple dose		
1041	Trimethoprim	HPLC-UV	Human Plasma	0.025 to 2.5 µg / mL	CPD	50 mg		
1042	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K <sub>2</sub> EDTA	20 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	1043	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 8000 pg / mL	K <sub>2</sub> EDTA	30 mg	
	1044	Trospium	LC-MS/MS (API 4000)	Human Plasma	10 to 2500 pg / mL	K <sub>2</sub> EDTA	60 mg	
<b>U</b>								
<b>Location : Canada</b>								
CANADA	1045	Ursodiol	LC-MS (API 150)	Human Plasma	100 to 12800 ng / mL	K <sub>3</sub> EDTA	-	
		Glycoursodeoxycholic Acid	LC-MS (API 150)	Human Plasma	150 to 19200 ng / mL	K <sub>3</sub> EDTA	-	
		Tauroursodeoxycholic Acid	LC-MS (API 150)	Human Plasma	100 to 12800 ng / mL	K <sub>3</sub> EDTA	-	
<b>V</b>								
<b>Location : Canada</b>								
CANADA	1046	Valsartan	LC-MS/MS (API 3000)	Human Plasma	20 to 10240 ng / mL	K <sub>2</sub> EDTA	160 mg	
	1047	Valsartan	LC-MS/MS (Waters)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	80 mg	
	1048	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	-	
	1049	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	-	
	1050	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	-	
	1051	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	-	
	1052	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 256 ng / mL	K <sub>3</sub> EDTA	-	
		Norverapamil	HPLC - Fluorescence	Human Plasma	2 to 256 ng / mL	K <sub>3</sub> EDTA	-	
	1053	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	-	
1054	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	-		
1055	Vigabatrin	LC-MS (API 150)	Human Plasma	0.2 to 25 µg / mL	K <sub>2</sub> EDTA	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
INDIA	1056	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	-
	1057	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	-
	1058	Valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	900 mg
		Ganciclovir	LC-MS/MS (API 3200)	Human Plasma	25 to 10000 ng / mL	K <sub>2</sub> EDTA	-
	1059	Valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 320 ng / mL	K <sub>2</sub> EDTA	450 mg
		Ganciclovir	LC-MS/MS (API 3200)	Human Plasma	25 to 5000 ng / mL	K <sub>2</sub> EDTA	-
	1060	Valganciclovir	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 750 ng/mL	K <sub>2</sub> EDTA	900 mg
		Ganciclovir	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 12000 ng / mL	K <sub>2</sub> EDTA	-
	1061	valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 320 ng / mL	K <sub>2</sub> EDTA	450 mg
	1062	Valproic acid	HPLC-UV	Human Plasma	1 to 110 µg / mL	Heparin	500 mg
	1063	Valproic acid	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 80 µg / mL	Sodium heparin	500 mg
	1064	Valsartan	LC-MS/MS (API 3200)	Human Plasma	20 to 2000 ng / mL	Heparin	40 mg
	1065	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	Heparin	160 mg
	1066	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	K <sub>2</sub> EDTA	160 mg
	1067	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	Sodium heparin	320 mg
	1068	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	320 mg
	1069	Valsartan	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	320 mg
		Hydrochlorothiazide	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	25 mg
	1070	Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 300 ng / mL	Sodium heparin	150 mg
	1071	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	-
	1072	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	-
	1073	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-
Norverapamil		HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-	
1074	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	-	
1075	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	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	1076	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	-	
	1077	Vardenafil	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Sodium heparin	20 mg	
	1078	Vilazodone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	10 mg	
	1079	Vilazodone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng/mL	K <sub>2</sub> EDTA	40 mg	
	1080	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	0.25 to 20 ng / mL	K <sub>2</sub> EDTA	5600 IU / 2600 IU	
	1081	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	1 to 200 ng / mL	K <sub>2</sub> EDTA	40000 IU	
	1082	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	1 to 700 ng / mL	K <sub>2</sub> EDTA	50 mg	
	1083	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	K <sub>2</sub> EDTA	40mg/mL or 200 mg	
<b>W</b>								
Location : Canada								
CANADA	1084	R-Warfarin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	K <sub>3</sub> EDTA	-	
		S-Warfarin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	K <sub>3</sub> EDTA	-	
Location : India								
INDIA	1085	Warfarin	HPLC - Fluorescence	Human Plasma	10 to 750 ng / mL	Heparin	5 mg	
	1086	Warfarin	HPLC - Fluorescence	Human Plasma	20 to 2500 ng / mL	Heparin	10 mg	
<b>Z</b>								
Location : Canada								
CANADA	1087	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.125 to 64 ng / mL	K <sub>2</sub> EDTA	5 mg	
	1088	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K <sub>2</sub> EDTA	40 mg	
	1089	Zolpidem	HPLC - Fluorescence	Human Plasma	1 to 512 ng / mL	K <sub>3</sub> EDTA	10 mg	
Location : India								
INDIA	1090	Ziprasidone	HPLC - Fluorescence	Human Plasma	1.5 to 200 ng / mL	NA	40 mg	
	1091	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	-	
	1092	Zolpidem	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	10 mg	
	1093	Zonisamide	HPLC-UV	Human Serum	25 to 3000 ng / mL	NA	100 mg	

\*: Premium method

# Lambda Therapeutic Research

## NEW CHEMICAL ENTITIES

(FULL NAME WITHHELD DUE TO CONFIDENTIALITY)

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

# Lambda Therapeutic Research

## IN-VITRO STUDIES

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



# Lambda Therapeutic Research

## IMMUNOGENICITY ASSESMENT

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

# Lambda Therapeutic Research

## 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	Direct- LDL-C (photometric)
19	Ecarin Clotting Time for Bivaluridin (Clot Based Assay)
20	Erythropoetin (ELISA)
21	Estradiol
22	Ferritin
23	Free T3 & Free T4
24	Fructosamine
25	Glucose (Glucose Oxidase Peroxidase Method)
26	Glycosylated Haemoglobin
27	Hep Test (Clot Based Assay)
28	High Sensitivity C-Reactive Protein (hs-CRP)
29	Human Serum Adiponectin-HMW (ELISA)
30	Human Serum Adiponectin-Total (ELISA)
31	Human Serum/Plasma Glucagon
32	IL-6 (Interleukin-6)

## Lambda Therapeutic Research

### PD MARKERS

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

\*Developed method available

# Lambda Therapeutic Research

## EVALUATION OF EFFECTIVENESS OF HEALTHCARE HYGIENE PRODUCTS

### Validated Protocols

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



LAMBDA

Research Accelerated

**INDIA:**

**Lambda Therapeutic Research Ltd.**

Lambda House, Survey No. 388, Nr. Silver Oak Club, Off. S. G. Highway,

Gota, Ahmedabad – 382 481, India

Fax +91-79-40202021

Web: [www.lambda-cro.com](http://www.lambda-cro.com)

**CANADA:**

Lambda Therapeutic Research Inc,

460 Comstock Road,

Toronto, Ontario, Canada M1L 4S4

phone: +1416.752.3636

[www.lambdacanada-cro.com](http://www.lambdacanada-cro.com)

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