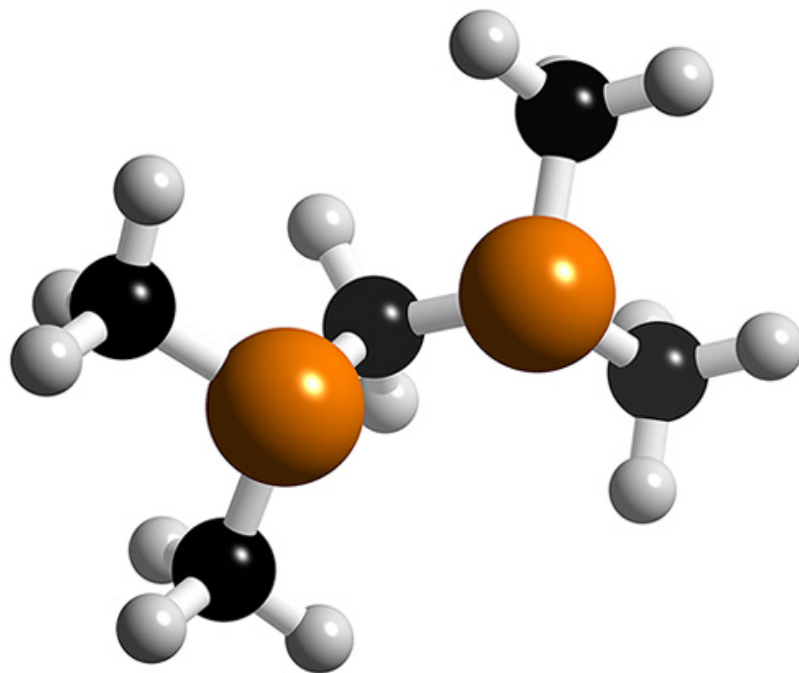




# HANDBOOK OF BIOANALYTICAL METHODS at LAMBDA THERAPEUTIC RESEARCH



**Edition: NOVEMBER 2017**

## Bio-analytical

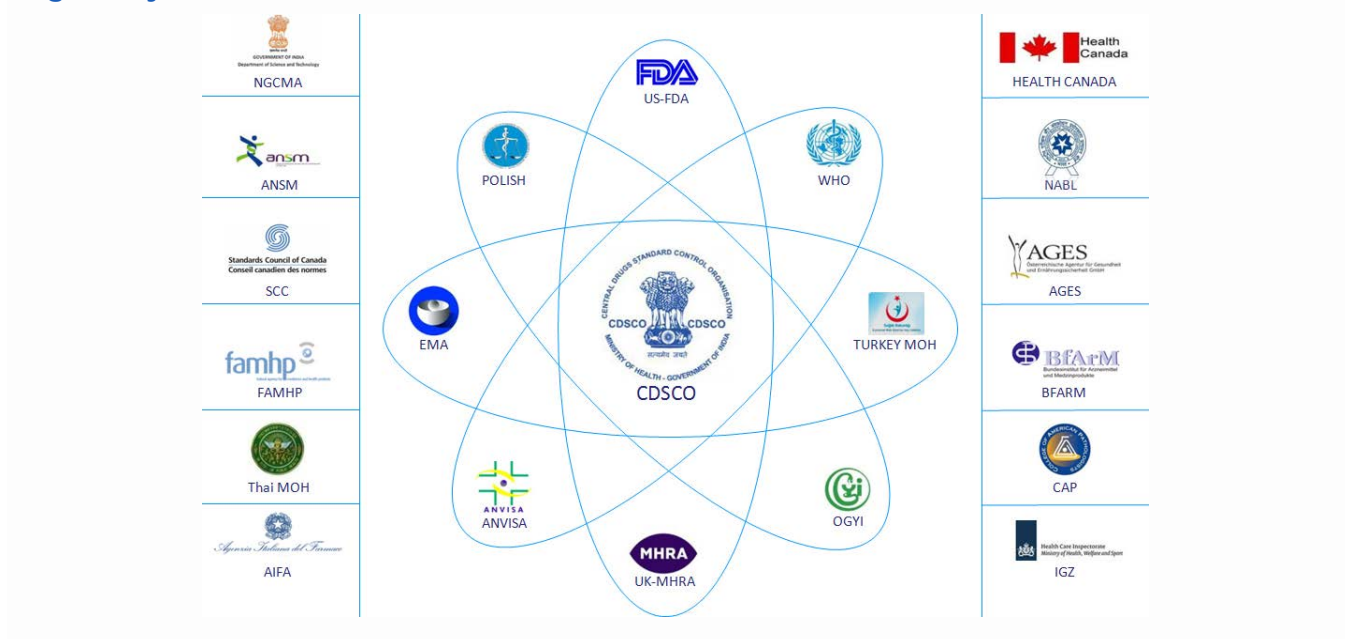
Lambda is one of the most experienced Bioanalytical service providers in India. We provide these services from two different strategic locations - India and Canada. Our highly qualified and experienced scientists work 24x7 and have an accumulated global catalogue of more than **950** validated methods. 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 **100+** research professionals
- ✚ GLP certified Bioanalytical labs in **India** and **Canada**
- ✚ Capabilities of analyzing **75,000+** samples per month on **40+** LC-MS/MS
- ✚ **7-8** new methods in development/month with expertise in handling different matrices such as plasma, serum, urine, whole blood, milk, food, bone, stool and animal tissues

## Infrastructure

- ✚ Separate well equipped extraction labs and chromatography labs.
- ✚ Separate lab for photosensitive drug and environment sensitive molecules like Nicotine.
- ✚ Separate room for storage of standards / balance room.
- ✚ Low temperature storage (-22 ± 5 °C, -65 ± 10 °C)
- ✚ Scientific Data Management System (SDMS, Waters)
- ✚ Different types of **40+** LC-MS/MS systems (including API 6500 and Waters Xevo TQ-S)

## Regulatory Track Record



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## Lambda Therapeutic Research

### LARGE MOLECULES / THERAPEUTIC PROTEINS / BIOSIMILARS

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

\*: Developed method available

# 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	Yes
	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	Alendronate	LC-MS/MS (API 3000)	Human Urine	1 to 256 ng / mL	Not applicable	-	
	15	Anastrozole	LC-MS/MS (API 3000)	Human Plasma	0.1 to 26 ng / mL	K <sub>2</sub> EDTA	1 mg	
	16	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	0.500 to 500 ng/mL	K <sub>2</sub> EDTA	10 mg	Yes
	17	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	2.5 to 2500 ng/mL	K <sub>2</sub> EDTA	60 mg	Yes
	18	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-Desmethyatomoxetine		LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	-		
19	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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method		
CANADA	20	Atorvastatin	LC-MS/MS (Thermo)	Dog Plasma	0.25 to 2500 ng / mL	K <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	-		
		21	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	-		
		22	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	-		
		23	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				
	24	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	20 to 8000 ng/mL	K <sub>2</sub> EDTA	300 mg		
	25	Azithromycin	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	Sodium heparin	600 mg		
<b>Location : India</b>									
	26	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	300 mg		
	27	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		
	28	Acamprosate	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		
	29	Acetazolamide	LC-MS/MS (API 3200)	Human Plasma	0.025 to 20 µg / mL	K <sub>2</sub> EDTA	500 mg		
	30	Aceclofenac	LC-MS/MS (API 2000)	Human Plasma	75 to 22000 ng / mL	Sodium heparin	100 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	31	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	-	
	32	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	-	
	33	Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 750 ng / mL	K <sub>2</sub> EDTA	25 mg	
	34	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	-	
	35	Acitretin	LC-MS/MS (Shimadzu 8060)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	25 mg	Yes
		13-Cis - Acitretinin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	-	Yes
	36	Acrivastine	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	8mg	
	37	Allopurinol	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	38	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	-	
	39	Amantadine	LC-MS/MS (Thermo)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	100 mg	Yes
	40	Ambrisentan	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K <sub>2</sub> EDTA	10 mg	Yes
	41	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	Sodium heparin	5 mg / 10 mg	
	42	*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	
	43	*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	
44	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		
45	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		
46	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		
47	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		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	48	Amiloride	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 20 ng / mL	K <sub>2</sub> EDTA	5 mg	
	49	Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K <sub>2</sub> EDTA	200 mg	
	50	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	-	
	51	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	-	
	52	Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	150 mg	Yes
		N-desethyl Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	-	Yes
	53	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 35 µg / mL	K <sub>2</sub> EDTA	1 gm	
	54	Amoxicillin	HPLC-UV	Human Plasma	0.5 to 15 µg / mL	K <sub>2</sub> EDTA / Heparin	500 mg	
	55	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 µg / mL	K <sub>2</sub> EDTA	250 mg	
	56	Amoxicillin	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	75 to 35000 ng / mL	Sodium heparin	500 mg	
	57	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	
	58	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	
	59	Amphotericin B	HPLC-UV	Human Plasma	0.25 to 10 µg / mL	K <sub>2</sub> EDTA	2 mg	
	60	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	
	61	Amphotericin B	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	100 to 2000 pg / mL	K <sub>2</sub> EDTA	NA	
	62	*Amphotericin B (free) (Liposomal)	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 ng / mL	K <sub>2</sub> EDTA	50mg/vial	
	63	*Alendronate	LC-MS/MS (API 4000)	Human Urine	2 to 600 ng / mL	NA	70 mg	
64	*Alendronate	LC-MS/MS (API 4000)	Human Plasma	0.3 to 150 ng / mL	K <sub>2</sub> EDTA	70 mg		
65	*Alendronate	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K <sub>2</sub> EDTA	10 mg		
66	Alogliptin	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	25 mg		
67	Alogliptin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	12.5 mg		
68	Anastrozole	LC-MS/MS (API 3200)	Human Plasma	0.25 to 25 ng / mL	Sodium heparin	1 mg		
69	*Anagrelide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K <sub>3</sub> EDTA	0.5 mg		
70	Apixaban	LC-MS/MS (Thermo)	Human Plasma	0.25 to 300 ng / mL	K <sub>2</sub> EDTA	50 mg		
71	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg of Vinpocetine		



# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	72	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 180 ng / mL	K <sub>2</sub> EDTA	15 mg of Vinpocetine	
	73	Apremilast	LC-MS/MS (API 4000)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	30 mg	Yes
	74	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	-	
	75	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	10 mg	
	76	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg	
	77	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	
	78	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	300 mg	
	79	Atazanavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	80	Atenolol	HPLC - Fluorescence	Human Plasma	10 to 800 ng / mL	K <sub>2</sub> EDTA / Heparin	100 mg	
	81	Atenolol	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	50 mg	
	82	Nifedipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	20 mg	
	83	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	80 mg	
		O-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	-	
		P-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 15 ng / mL	K <sub>2</sub> EDTA	-	
	84	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	-	
85	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	20 mg		
86	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K <sub>2</sub> EDTA	40 mg		
87	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 150 ng / mL	K <sub>2</sub> EDTA	80 mg		
88	Atovaquone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	250 mg		
89	*5-Azacytidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	Sodium heparin	100 mg		
INDIA	90	*Azelastrine	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 pg / mL	K <sub>2</sub> EDTA	0.56 mg	
		*N-desmethyl Azelastrine	LC-MS/MS (Thermo)	Human Plasma	7 to 500 pg / mL	K <sub>2</sub> EDTA	-	
	91	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	600 mg	
	92	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	200 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
<b>B</b>								
<b>Location : Canada</b>								
<b>CANADA</b>	93	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	10 mg	
	94	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	
	95	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	
	96	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	-	
	97	Budesonide	LC-MS/MS (API 6500)	Human Plasma	20 to 10000 pg/mL	Sodium heparin	3 x 3 mg	Yes
	98	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	-	
	99	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	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
100	Bupropion	LC-MS/MS (API 3000)	Human 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	-	
101	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	-	
102	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	-	
103	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	-	
104	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	-	
105	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse	0.4 to 77 ng / mL	K <sub>3</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>3</sub> EDTA	-	

CANADA

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	106	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	-	
	107	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	-	
	108	Buspirone	LC-MS/MS (API 3000)	Human Plasma	0.04 to 10 ng / mL	Sodium heparin	-	
		1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma	0.15 to 40 ng / mL	Sodium heparin	-	
		6-Hydroxybuspirone	LC-MS/MS (API 3000)	Human Plasma	0.625 to 160 ng / mL	Sodium heparin	-	
Location : India								
INDIA	109	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	-	
	110	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	-	
	111	Bendroflumethiazide	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng/mL	K <sub>2</sub> EDTA	5mg	Yes
112	Bexarotene	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	75 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	113	Bezafibrate	LC-MS/MS (API 4000)	Human Plasma	80 to 22000 ng/mL	K <sub>2</sub> EDTA	200mg/400mg	Yes
	114	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	10 to to 1000 ng / mL	Heparin	25 mg	
	115	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	50 to 2000 ng / mL	K <sub>2</sub> EDTA / Heparin	50 mg	
	116	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	100 to 5000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	117	*Bicalutamide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K <sub>2</sub> EDTA	50 mg	
	118	Bisoprolol	LC-MS/MS (API 3200)	Human Plasma	0.5 to 80 ng / mL	K <sub>2</sub> EDTA	10 mg	
	119	Bosentan	LC-MS/MS (API 3200)	Human Plasma	5 to 6000 ng / mL	K <sub>2</sub> EDTA	125 mg	
	120	*Bortezomib	LC-MS/MS (Thermo)	Rat Plasma	0.5 to 500 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (Subcutaneous)	
	121	*Bortezomib	LC-MS/MS (Waters QPXE)	Rat Plasma	2 to 8000 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (IV)	
	122	*Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 4000 pg / mL	K <sub>2</sub> EDTA	3 mg	
	123	Budesonide	LC-MS/MS (Thermo)	Human Plasma	20 to 10000 pg / mL	Sodium Heparin	3 X 3 mg	
	124	Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	3X3 mg	
	125	Buspirone	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 30000 pg / mL	K <sub>2</sub> EDTA	15 mg	
	126	Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	300 mg/150mg	
	127	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	-	
	128	*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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	129	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	-	
	130	*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	131	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	-	
	132	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	-	
	133	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Lithium heparin	500 mg	
	134	Cefixime	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	400 mg	
	135	Cefuroxime	HPLC-UV	Human Plasma	0.2 to 27 µg / mL	K <sub>2</sub> EDTA	500 mg	
	136	Cefuroxime	LC-MS/MS (Thermo)	Human Plasma	100 to 20135 ng / mL	K <sub>2</sub> EDTA	500 mg	
	137	Celecoxib	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	200 mg	
	138	Celecoxib	LC-MS/MS (API 3000)	Human Plasma	20 to 2560 ng / mL	K <sub>2</sub> EDTA	200 mg	
	139	Cephalexin	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	K <sub>3</sub> EDTA	-	
	140	Cetirizine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	10 mg	
141	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		
142	Chlorpheniramine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	K <sub>2</sub> EDTA	8 mg / 5 mL		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	143	Chlorthalidone	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng/mL	K <sub>2</sub> EDTA	50 mg	yes
	144	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	
	145	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	
	146	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K <sub>3</sub> EDTA	-	
	147	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K <sub>3</sub> EDTA	-	
	148	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	-	
	149	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 32 ng / mL	Heparin	-	
	150	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	-	
	151	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	-	
	152	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	-	
153	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	-		
154	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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	155	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	-	
	156	Clarithromycin	LC-MS/MS (API 300 or 3000)	Human Plasma	20 to 5120 ng / mL	Sodium heparin	-	
	157	Clavulanic Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	25 to 1600 ng / mL	Sodium heparin	125 mg	
	158	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	2 mg / mL	
	159	Clonazepam	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	-	
	160	Clonidine	LC-MS/MS (Thermo)	Human Plasma	0.03 to 2 ng / mL	K <sub>2</sub> EDTA	0.3 mg	
	161	Clopidogrel	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	Sodium heparin	300 mg	
	162	Clopidogrel Carboxylic Acid	LC-MS/MS (Thermo)	Human Plasma	0.049 to 25 µg / mL	K <sub>2</sub> EDTA	300 mg of Clopidogrel	
	163	Clopidogrel Thiol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	300 mg of Clopidogrel	
	164	Codeine	LC-MS/MS (Thermo)	Human Plasma	0.7 to 400 ng / mL	K <sub>2</sub> EDTA	30 mg	
	165	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	166	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	
	167	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>	
	168	Cabazitaxel (Free)	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	169	*Cabergoline	LC-MS/MS (API 6500)	Human Plasma	0.5 to 80 pg / mL	K <sub>3</sub> EDTA	2 X 0.5 mg	
	170	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 750 ng / mL	K <sub>2</sub> EDTA	32 mg	
	171	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K <sub>2</sub> EDTA	16 mg	
	172	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 160 ng / mL	K <sub>2</sub> EDTA	8 mg	
173	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 12000 ng / mL	K <sub>2</sub> EDTA	500 mg (multiple dosing)		



# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	174	*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	-	
	175	*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	
	176	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	-	
	177	Carbamazepine	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	K <sub>2</sub> EDTA	300 / 400 mg	
	178	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	0.5 to 20 µg / mL	K <sub>2</sub> EDTA	400 mg (steady state )	
	179	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	-	
	180	*Carprofen	LC-MS/MS (API 3200)	Beagle Dog Plasma	0.5 to 100 µg / mL	K <sub>2</sub> EDTA	100 mg	
	181	Captopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	25 mg	
	182	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.7 to 230 ng / mL	K <sub>2</sub> EDTA	25 mg	
	183	Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	12.5 mg	
	184	*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	-	
	185	*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	-	
	186	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Heparin	500 mg	
187	Cefadroxil	HPLC-UV	Human Plasma	0.5 to 50 µg / mL	Heparin	500 mg		
188	Cefdinir	HPLC-UV	Human Plasma	0.035 to 5 ng / mL	Heparin	250 mg		
189	Cefixime	HPLC-UV	Human Plasma	0.05 to 8 µg / mL	K <sub>2</sub> EDTA / Heparin	400 mg		
190	Ceftazidime	HPLC-UV	Human Plasma	0.3 to 60 µg / mL	Heparin	1 g injection		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	191	Cefuroxime	HPLC-UV	Human Plasma	0.3 to 35 µg / mL	Heparin	750 mg injection	
	192	Cefuroxime	HPLC-UV	Human Plasma	0.075 to 13 µg / mL	Heparin	500 mg	
	193	Cefuroxime	LC-MS/MS (Waters QPXE)	Human Plasma	0.025 to 7.5 µg / mL	K <sub>2</sub> EDTA	250 mg	
	194	Celecoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	Heparin	200 mg / 400 mg	
	195	Cephalexin	HPLC-UV	Human Plasma	0.3 to 40 µg / mL	Heparin	500 mg	
	196	Cetirizine	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	10 mg	
	197	Chlorthalidone	HPLC-UV	Human Plasma	10 to 500 ng / mL	CPD	25 mg	
	198	Chlorthalidone	HPLC-UV	Human Plasma	50 to 3000 ng / mL	CPD	200 mg	
	199	Cilostazol	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	K <sub>2</sub> EDTA	100 mg	
	200	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 150 ng / mL	K <sub>2</sub> EDTA	90 mg	
	201	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	90 mg	
	202	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	0.05 to 4 µg / mL	K <sub>2</sub> EDTA	750 mg	
	203	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	Heparin	200 mg	
	204	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	800 mg	
	205	Citalopram	HPLC - Fluorescence	Human Plasma	2 to 80 ng / mL	Heparin	40 mg	
	206	Citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg	
	207	*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	-	
	208	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	-	
	209	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	-	
	210	S-citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	10 mg / 20 mg	
211	S-citalopram	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	10 mg / 20 mg		
212	Citric acid	LC-MS/MS (Waters QPXE)	Human Urine	5 to 1500 µg / mL	Not applicable	60 mEq(4 X 15 mEq)		
213	Clarithromycin	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	250 mg / 500 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	214	Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	500 mg	
		14- hydroxy Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	K <sub>2</sub> EDTA	-	
	215	Clavulanic acid	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 5000 ng/mL	Sodium Heparin	125 mg	
	216	Clavulanic acid	HPLC-UV	Human Plasma	0.05 to 4 µg / mL	K <sub>2</sub> EDTA / Heparin	125 mg	
	217	Clindamycin	LC-MS/MS (API 2000)	Human Plasma	50 to 8000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	218	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	10 mg	
	219	Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 600 ng / mL	K <sub>2</sub> EDTA	2.5 mg/mL (total 20 mg)	Yes
		N-desmethyl clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 500 ng / mL	K <sub>2</sub> EDTA	-	Yes
	220	*Clonidine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 600 pg / mL	K <sub>2</sub> EDTA	0.1 mg	
	221	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 4000 pg / mL	Heparin	75 mg	
	222	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 8000 pg / mL	Sodium heparin	300 mg (fasting study)	
	223	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	0.1 to 40 ng / mL	Sodium heparin	300 mg (Fed study)	
	224	*Clopidogrel	LC-MS/MS (Shimadzu 8060)	Human Plasma	5 to 4000 pg / mL	Sodium heparin	75 mg ( Fasting)	
	225	Clopidogrel	LC-MS/MS (API 6500)	Human Plasma	5 to 4000 pg/mL	Sodium heparin	75 mg	
	226	Clopidogrel Carboxy acid	LC-MS/MS (API 2000)	Human Plasma	30 to 5000 ng / mL	Heparin	75 mg of clopidogrel	
	227	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	200 mg multiple dose	
	228	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	K <sub>2</sub> EDTA	12.5 mg	
	229	Colchicine	LC-MS/MS (API 4000)	Human Plasma	25 to 6000 pg / mL	K <sub>2</sub> EDTA	500 mcg	
	230	Cyclophosphamide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	231	Cycloserine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 20 µg / mL	K <sub>2</sub> EDTA	250mg	Yes
<b>D</b>								
CANADA	Location : Canada							
	232	Darunavir	LC-MS/MS (API 3000)	Human Plasma	10 to 6400 ng / mL	K <sub>2</sub> EDTA	600 mg	
	233	Dexamethasone	LC-MS/MS (Thermo)	Human Plasma	0.2 to 60 ng / mL	K <sub>2</sub> EDTA	0.5 mg	
	234	Dextroamphetamine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	K <sub>2</sub> EDTA	30 mg	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	235	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	-	
	236	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	
	237	Diclofenac	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> EDTA	1 % gel	
	238	Didanosine	LC-MS/MS (API 3000)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	-	
	239	Dienogest	LC-MS/MS (Thermo)	Human Plasma	3 to 120 ng / mL	K <sub>2</sub> EDTA	2 mg	
	240	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	-	
	241	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	-	
	242	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	-	
	243	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	-	
	244	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	-	
	245	Diphenhydramine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	25 to 38 mg	
	246	Donepezil	LC-MS/MS (Thermo)	Human Plasma	0.25 to 64 ng / mL	K <sub>2</sub> EDTA	10 mg	
	247	Doxazosin	HPLC - Fluorescence	Human Plasma	0.5 to 128 ng / mL	Heparin	-	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	248	Doxepine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K <sub>2</sub> EDTA	100 mg	Yes
		Nordoxepine	LC-MS/MS (Thermo)	Human Plasma	0.101 to 50.476 ng/mL	K <sub>2</sub> EDTA	-	
	249	Doxycycline	HPLC-UV	Human Plasma	80 to 5120 ng / mL	Heparin	-	
	250	Duloxetine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K <sub>2</sub> EDTA	60 mg	
	251	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K <sub>2</sub> EDTA	60 mg	
	252	Dutasteride	LC-MS/MS (Thermo)	Human Plasma	60 to 5120 pg / mL	K <sub>2</sub> EDTA	0.5 mg	
<b>Location : India</b>								
INDIA	253	*Dabigatran [Total- (Conjugated + Unconjugated)]	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	Sodium Citrate	150 mg	
	254	*Dabigatran (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
	255	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
	256	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Sprague Dawley Rat plasma	5 to 10000 ng / mL	Sodium Citrate	Multiple dose	
	257	Daclatasvir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng/mL	K <sub>2</sub> EDTA	60 mg	Yes
	258	*11-dehydro Thromboxane B <sub>2</sub>	LC-MS/MS (Shimadzu 8040)	Human Urine	0.1 to 20 ng / mL	NA	NA	
	259	Dalfampridine/Fampridine	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 ng / mL	K <sub>2</sub> EDTA	10 mg	
	260	Darunavir	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 ng / mL	K <sub>2</sub> EDTA	600 mg / 800 mg	Yes
	261	Dasatinib	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	100mg	
	262	Deferasirox (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg / mL	K <sub>2</sub> EDTA	50 mg / 500 mg	
	263	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	
	264	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	
	265	Dexibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 µg / mL	K <sub>2</sub> EDTA	400 mg	
	266	Dexketoprofen	LC-MS/MS (API 2000)	Human Plasma	10 to 10000 ng / mL	K <sub>2</sub> EDTA	25 mg / 50 mg	
	267	Dexamethasone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 60 ng / mL	K <sub>3</sub> EDTA	2 mg	
268	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	Yes	
269	*Diazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	10 mg		
270	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	5 to 2000 ng / mL	Heparin	50 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	271	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	75 mg / 100 mg	
	272	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	75 mg / 100 mg	
	273	Diclofenac	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	22 mg	
	274	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	0.075 to 25 ng / mL	K <sub>2</sub> EDTA	1 % gel	
	275	Dienogest	LC-MS/MS (API 6500)	Human Plasma	1 to 120 ng/mL	K <sub>2</sub> EDTA	2mg	Yes
	276	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	-	
	277	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	-	
	278	*2,3-Dinor-6-keto prostaglandin F1 $\alpha$	LC-MS/MS (Shimadzu 8040)	Human Urine	0.5 to 25 ng / mL	NA	NA	
	279	Dipyridamole	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	K <sub>2</sub> EDTA	200 mg	
	280	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 3000 ng / mL	K <sub>2</sub> EDTA	200 mg	
	281	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 ng / mL	K <sub>2</sub> EDTA	200 mg multiple dose	
	282	Docetaxel	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	20 mg / 0.5 mL injection	
	283	Docetaxel (total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 15000 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	284	*Docetaxel	LC-MS/MS (Waters QPXE)	Beagle Dog Plasma	10 to 4000 ng / mL	K <sub>2</sub> EDTA	80mg / 2mL	
	285	*Docetaxel (free)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 300 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	286	Dofetilide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 6000 pg / mL	K <sub>2</sub> EDTA	0.5 mg	
287	Domperidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	10 mg		
288	Donepezil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K <sub>2</sub> EDTA	10 mg		
289	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	-		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	290	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	-	
	291	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	-	
	292	Drospirenone	LC-MS/MS (API 4000)	Human Plasma	0.5 to 175 ng / mL	K <sub>2</sub> EDTA	6 mg	
	293	Drotaverine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	80 mg	
	294	Dolutegravir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	50 mg	
	295	Doxazosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 16 ng / mL	K <sub>2</sub> EDTA	1 mg	
	296	Doxorubicin (Encapsulated and total)	LC-MS/MS (Waters QPXE)	Human Plasma	150 to 60000 ng / mL	K <sub>3</sub> EDTA	50mg / m <sup>2</sup>	
	297	*Doxorubicin (Encapsulated and total)	LC-MS/MS (Waters QPXE)	Human Plasma	150 to 60000 ng / mL	K <sub>2</sub> EDTA	2mg/mL	Yes
	298	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters QPXE)	CD-1 Mice Plasma	10 to 15000 ng / mL	K <sub>2</sub> EDTA	Multiple dose	
	299	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2050 ng / mL	K <sub>3</sub> EDTA	50 kg / m <sup>2</sup>	
	300	*Doxorubicin (Encapsulated) (Liposomal)	LC-MS/MS (Waters QPXE)	CD-1 Mice Plasma	0.4 to 400 µg / mL	K <sub>2</sub> EDTA	Multiple dose	
	301	*Doxorubicinol	LC-MS/MS (API 6500)	Human Plasma	0.1 to 20 ng / mL	K <sub>3</sub> EDTA	50mg / m <sup>2</sup>	
	302	*Doxorubicinol	LC-MS/MS (API 6500)	Human Plasma	0.1 to 20 ng/mL	K <sub>2</sub> EDTA	(2 mg/mL) concentrate for solution for infusion(Pegy lated)	Yes
303	Doxylamine	LC-MS/MS (API 3200)	Human Plasma	1 to 200 ng / mL	K <sub>2</sub> EDTA	20 mg		
304	Duloxetine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 ng/mL	Heparin	60 mg		
305	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>								
CANADA	Location : Canada							
	306	Efavirenz	LC-MS (API 150)	Human Plasma	0.02 to 5 µg / mL	Sodium heparin	-	
	307	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	-	
	308	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	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	309	Eprosartan	LC-MS/MS (Thermo)	Human Plasma	5 to 3840 ng / mL	K <sub>2</sub> EDTA	-	
	310	Esomeprazole	LC-MS/MS (Thermo)	Human Plasma	1 to 2000 ng / mL	K <sub>2</sub> EDTA	20 mg	
	311	17 β-Estradiol	LC-MS/MS (API 6500)	Human Plasma	1 to 100 pg/mL	K <sub>2</sub> EDTA	0.1 % Gel	Yes
	312	Etodolac	HPLC-UV	Human Plasma	0.25 to 32 µg / mL	Heparin	-	
	313	Ethinyl Estradiol	LC-MS/MS (Thermo)	Human Plasma	3 to 128 pg / mL	K <sub>2</sub> EDTA	0.03 mg	
	314	Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K <sub>2</sub> EDTA	20 mcg	
	315	Exemestane	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	25 mg	
	316	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> EDTA	25 mg	
<b>Location : India</b>								
INDIA	317	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	-	
	318	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	-	
	319	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	
	320	Efavirenz	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	600 mg	
	321	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	600 mg	
	322	*Ethinyl estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 300 pg / mL	K <sub>2</sub> EDTA	0.035mg / 0.07 mg	
	323	*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	
	324	*Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K <sub>2</sub> EDTA	20 mcg	
	325	Emtricitabin	LC-MS/MS (API 4000)	Human Plasma	20 to 6000 ng / mL	K <sub>2</sub> EDTA	200 mg	
326	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	600 mg		
327	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)		
328	Endoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 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	
INDIA	329	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	-	
	330	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	-	
	331	Entacapone	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	Sodium heparin	200 mg	
	332	Eplerenone	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	Sodium heparin	50 mg	
	333	Eprosartan	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	300 mg	
	334	Erlotinib	LC-MS/MS (API 3200)	Human Plasma	3 to 3000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	335	Erlotinib	LC-MS/MS (API 4000)	Human Plasma	3 to 3000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	336	Eslicarbazepine	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	800mg	Yes
	337	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 3000 ng / mL	K <sub>2</sub> EDTA	20 mg	
	338	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 4000 ng / mL	K <sub>2</sub> EDTA	40 mg	
	339	*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)	
	340	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 100 pg / mL	K <sub>2</sub> EDTA	10 mcg / 20 mcg	
	341	*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	
	342	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 800 pg / mL	K <sub>2</sub> EDTA	0.01 % vaginal cream	
	343	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K <sub>2</sub> EDTA	1 mg	
	344	*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	-	
345	*Estrone (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 60 ng / mL	K <sub>2</sub> EDTA	1 mg of Estradiol		
346	Etoricoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	120 mg		
347	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.25 to 50 ng / mL	Sodium heparin	25 mg		
348	*Ezetimibe (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	Sodium Heparin	10 mg		
349	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	Sodium heparin	10 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	350	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.075 to 30 ng / mL	Sodium Heparin	10 mg	
	351	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>								
<b>Location : Canada</b>								
CANADA	352	Famotidine	HPLC-UV	Human Plasma	5 to 640 ng / mL	Heparin	-	
	353	Felodipine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 13 ng / mL	K <sub>2</sub> EDTA	10 mg	
	354	Fenofibric acid	LC-MS/MS (API 3000)	Human Plasma	50 to 19200 ng / mL	K <sub>2</sub> EDTA	135 mg	
	355	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	K <sub>2</sub> EDTA	-	
	356	Fenofibric acid	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Sodium heparin	-	
	357	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	Sodium heparin	-	
	358	Fenofibric acid	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 µg / mL	K <sub>2</sub> EDTA	215 mg	
	359	Fentanyl	LC-MS/MS (API 3000)	Human Plasma	0.02 to 20 ng / mL	Sodium heparin	-	
	360	Fexofenadine	HPLC - Fluorescence	Human Plasma	5 to 640 ng / mL	Sodium heparin	-	
	361	Fexofenadine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	180 mg	
	362	Fingolimod	LC-MS/MS (Thermo)	Human Blood	25 to 500 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg	
	363	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	
	364	Fluconazole	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	150 mg	
	365	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	-	
366	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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	367	Flupenthixol	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K <sub>2</sub> EDTA	10 mg	
	368	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	1 to 32 pg / mL	K <sub>2</sub> EDTA	-	
	369	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	5 to 640 pg / mL	K <sub>2</sub> EDTA	-	
	370	Fluvastatin	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K <sub>2</sub> EDTA	-	
	371	Fluvoxamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-	
	372	Fulvestrant	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 40 ng / mL	Sodium heparin	50 mg	
	373	Fulvestrant	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K <sub>2</sub> EDTA	50 mg	
Location : India								
INDIA	374	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K <sub>2</sub> EDTA	80 mg	
	375	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 12000 ng / mL	K <sub>2</sub> EDTA	120 mg	
	376	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 µg / mL	K <sub>2</sub> EDTA	135 mg	
	377	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg / mL	K <sub>2</sub> EDTA	267 mg	
	378	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng / mL	K <sub>2</sub> EDTA	80 mg	
	379	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	K <sub>2</sub> EDTA	80 mg (steady state)	
	380	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	-	
	381	*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	-	
	382	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Heparin	5 mg	
	383	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	Heparin	1 mg	
	384	Finasteride	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 3000 pg/mL	K <sub>2</sub> EDTA	0.1% Lipid Solution	Yes
	385	*Fingolimod	LC-MS/MS (API 4000)	Human Blood	25 to 3000 pg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg	
386	*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		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	387	*Fingolimod Phosphate	LC-MS/MS (Thermo)	Human Blood	75 to 4000 µg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg of fingolimod	
	388	*Fingolimod Phosphate	LC-MS/MS (API 6500)	Human Blood	50 to 4000 µg / mL	K <sub>2</sub> EDTA	3 X 0.5 mg of fingolimod	
	389	Flucloxacilin	HPLC-UV	Human Plasma	0.3 to 20 µg / mL	NA	500 mg	
	390	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.050 to 50 µg / mL	K <sub>2</sub> EDTA	500 mg	
	391	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 µg / mL	K <sub>2</sub> EDTA	1 gm	
	392	Fluconazole	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K <sub>2</sub> EDTA	150 mg	
	393	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	-	
	394	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 50 ng /mL	K <sub>2</sub> EDTA	40 mg	
	395	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 100 ng /mL	K <sub>2</sub> EDTA	60 mg	
396	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.5 to 10 ng /mL	K <sub>2</sub> EDTA	10 mg		
397	*Fluticasone Propionate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 µg / mL	K <sub>2</sub> EDTA	500 µg		
398	Fluvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 500 ng / mL	Heparin	40 mg / 80 mg		
399	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 200 ng / mL	Heparin	40 mg		
400	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	Heparin	80 mg		
401	Fulvestrant	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 20 ng /mL	K <sub>2</sub> EDTA	250 mg		
402	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K <sub>2</sub> EDTA	40 mg		
403	Furosemide	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K <sub>2</sub> EDTA	80 mg	Yes	
<b>G</b>								
CANADA	Location : Canada							
	404	Gabapentin	LC-MS/MS (API 3000)	Human Plasma	75 to 9600 ng / mL	K <sub>2</sub> EDTA	600 mg	
	405	Galantamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 63 ng / mL	K <sub>2</sub> EDTA	8 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	406	Ganciclovir	HPLC - Fluorescence	Human Plasma	30 to 1920 ng / mL	K <sub>3</sub> EDTA	-	
	407	Gatifloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K <sub>3</sub> EDTA	-	
	408	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K <sub>3</sub> EDTA	4 mg	
	409	Glipizide	HPLC-UV	Human Plasma	10 to 640 ng / mL	K <sub>2</sub> EDTA	-	
	410	Glipizide	LC-MS (API 150)	Human Plasma	10 to 640 ng / mL	K <sub>2</sub> EDTA	-	
	411	Glipizide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 1280 ng / mL	K <sub>2</sub> EDTA	-	
	412	Glipizide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 640 ng / mL	K <sub>2</sub> EDTA	10 mg	
	413	Glyburide	LC-MS (API 150)	Human Plasma	2 to 128 ng / mL	K <sub>3</sub> EDTA	-	
	414	Griseofulvin	LC-MS/MS (API 300 or 3000)	Human Plasma	15 to 3840 ng / mL	K <sub>3</sub> EDTA	-	
	415	Granisetron	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	K <sub>2</sub> EDTA	-	
	416	Guaifenesin	LC-MS	Human Plasma	10 to 1280 ng / mL	K <sub>2</sub> EDTA	-	
	417	Guaifenesin	LC-MS/MS (Thermo)	Human Plasma	10 to 5120 ng/mL	K <sub>2</sub> EDTA	-	
<b>Location : India</b>								
INDIA	418	Gabapentin	LC-MS/MS (API 3200)	Human Plasma	50 to 7500 ng / mL	K <sub>2</sub> EDTA	400 / 800 mg	
	419	Gabapentin	LC-MS/MS (API 2000)	Human Plasma	150 to 10000 ng / mL	K <sub>2</sub> EDTA	1200 / 800 mg	
	420	Galantamine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 75 ng / mL	K <sub>2</sub> EDTA	8 mg	
	421	Gefitinib	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 350 ng / mL	K <sub>2</sub> EDTA	250 mg	Yes
	422	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	K <sub>2</sub> EDTA	1000 mg / m2	
	423	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	Sodium heparin	1000 mg / m2	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	424	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K <sub>2</sub> EDTA	80 mg	
	425	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	60 mg	
	426	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K <sub>2</sub> EDTA	30 mg	
	427	Glimepiride	LC-MS/MS (API 2000)	Human Plasma	3 to 600 ng / mL	Heparin	4 mg	
	428	Glimepiride	LC-MS/MS (API 3200)	Human Plasma	3 to 1200 ng/mL	K <sub>2</sub> EDTA	6 mg	Yes
	429	Glipizide	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1000 ng / mL	K <sub>2</sub> EDTA	10 mg	
	430	*Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K <sub>2</sub> EDTA	1 mg/vial	
	431	*Glycopyrronium	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 400 pg / mL	K <sub>2</sub> EDTA	50 mcg	
	432	Guaifenesin	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K <sub>2</sub> EDTA	1200 mg	
<b>H</b>								
Location : Canada								
CANADA	433	Hydrocodone	LC-MS/MS (Thermo)	Human Plasma	0.4 to 51 ng / mL	K <sub>2</sub> EDTA	7.5 mg / 5 mL	
	434	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	-	
	435	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	-	
	436	Hydrochlorothiazide	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	K <sub>2</sub> EDTA	12.5 mg to 25 mg	
	437	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K <sub>2</sub> EDTA	32 mg	
438	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	16 mg		
Location : India								
INDIA	439	Hydralazine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 125 ng / mL	K <sub>2</sub> EDTA	50 mg	
	440	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	25 mg / 12.5 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	441	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	2 to 400 ng / mL	K <sub>2</sub> EDTA	50 mg	
	442	Hydrochlorothiazide	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	50 mg / 25 mg	
	443	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	
	444	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	
	445	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	
	446	Hydrocortisone	LC-MS/MS (API 3200)	Human Urine	0.25 to 100 ng / mL	Not applicable	-	
	447	*Hydrocortisone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg	Yes
448	Hydroxychloroquine	LC-MS/MS (API 3200)	Human Blood	5 to 500 ng / mL	K <sub>2</sub> EDTA	200 mg		
449	5-Hydroxytryptophan	LC-MS/MS (API 4000)	Human Plasma	10 to 1000 ng / mL	K <sub>2</sub> EDTA	100 mg		
I								
CANADA	Location : Canada							
	450	Ibuprofen	HPLC-UV	Human Plasma	0.4 to 512 µg / mL	Sodium heparin	200 mg	
	451	Ibuprofen	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 µg / mL	K <sub>2</sub> EDTA	600 mg	
	452	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	
	453	Imatinib	LC-MS/MS (Thermo)	Human Plasma	5 to 3500 ng / mL	K <sub>2</sub> EDTA	400 mg	
	454	Indapamide	HPLC-UV	Human Whole Blood	10 to 1280 ng / mL	Heparin	-	
	455	Itraconazole	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 320 ng / mL	Heparin	-	
Hydroxy Itraconazole		LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 320 ng / mL	Heparin	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	456	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	-	
	457	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	
<b>Location : India</b>								
INDIA	458	*Ibandronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	Heparin	50 mg	
	459	*Ibandronate	LC-MS/MS (API 4000)	Human Plasma	0.75 to 300 ng / mL	Heparin	150 mg	
	460	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg/ mL	Heparin	200 mg	
	461	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg/ mL	Heparin	600 mg	
	462	Ibuprofen	HPLC-UV	Human Plasma	1 to 100 µg / mL	Heparin	800 mg	
	463	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg / mL	Sodium heparin	200 mg	
	464	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 90 µg/mL	K <sub>2</sub> EDTA	400mg	
	465	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K <sub>2</sub> EDTA	400 mg	
	466	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 7500 ng / mL	K <sub>2</sub> EDTA	400 mg (multiple dosing)	
	467	Imatinib	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	100 mg	
	468	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	-	
	469	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	470	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	-	
	471	Irbesartan	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	Sodium heparin	300 mg	
	472	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			
	473	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	-	
	474	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	-	
	475	Isosorbide	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 2000 ng / mL	K <sub>2</sub> EDTA	120 mg	
476	*Isotretinoin	LC-MS/MS (API 4000)	Human Plasma	10 to 1500 ng / mL	K <sub>2</sub> EDTA	40 mg		
477	Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 1500 ng / mL	K <sub>2</sub> EDTA	40 mg (fed study)		
478	*Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 600 ng / mL	K <sub>2</sub> EDTA	40 mg (fasting study)		
<b>K</b>								
<b>Location : India</b>								
INDIA	479	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10000 ng / mL	K <sub>2</sub> EDTA	300mg/200 mg/100 mg	
	480	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng/mL	K <sub>2</sub> EDTA	300 mg	Yes
	481	*Isotretinoin	LC-MS/MS (Waters QPXE)	Sprague Dawley Rat Skin	0.75 to 500 ng / mL	NA	NA	
	482	*Isotretinoin	LC-MS/MS (Waters QPXE)	Rabbit Skin	0.75 to 500 ng / mL	NA	NA	
	483	Ivabradine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	7.5 mg	
	484	3-Ketodesogestrel	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 pg / mL	K <sub>2</sub> EDTA	0.3 mg of desogestrel	
	485	*6-Keto prostaglandin F1α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.125 to 10 ng / mL	NA	NA	
	486	Ketoconazole	HPLC - Fluorescence	Human Plasma	0.05 to 5 µg / mL	CPD	200 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
<b>L</b>								
<b>Location : Canada</b>								
<b>CANADA</b>	487	Labetalol	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K <sub>2</sub> EDTA	200 mg	Yes
	488	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	50 mg	
	489	Lansoprazole	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 4096 ng / mL	Sodium heparin	30 mg	
	490	Leuprolide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	K <sub>2</sub> EDTA	-	
	491	Letrozole	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K <sub>2</sub> EDTA	2.5 mg	
	492	Levetiracetam	LC-MS (API 150)	Human Plasma	0.5 to 24 µg / mL	K <sub>3</sub> EDTA	-	
	493	Levetiracetam	LC-MS/MS (API 3000)	Human Plasma	0.375 to 48 µg / mL	K <sub>2</sub> EDTA	1 gm	
	494	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 64 ng / mL	Lithium heparin	-	
	495	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 128 ng / mL	Heparin	-	
	496	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 256 ng / mL	Lithium heparin	-	
	497	Loperamide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K <sub>2</sub> EDTA	2 mg	
	498	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	-	
	499	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	-	
	500	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	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	501	Lormetazepam	LC-MS/MS (Thermo)	Human Plasma	0.06 to 8 ng / mL	K <sub>2</sub> EDTA	-	
	502	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	-	
	503	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	504	Lacidipine	LC-MS/MS (API 4000)	Human Plasma	0.025 to 20 ng / mL	K <sub>2</sub> EDTA	4 mg / 6 mg	
	505	Lacosamide	LC-MS/MS (API 3200)	Human Plasma	25 to 10000 ng / mL	K <sub>2</sub> EDTA	200 mg	
	506	Lamivudine	LC-MS/MS (API 2000)	Human Plasma	25 to 3000 ng / mL	Heparin	150 mg	
	507	Lamivudine	LC-MS/MS (Thermo)	Human Plasma	25 to 6000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	508	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	
	509	Lamotrigine	LC-MS/MS (API 3200)	Human Plasma	25 to 6000 ng / mL	K <sub>2</sub> EDTA	200 mg	Yes
	510	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K <sub>2</sub> EDTA	50mg	
	511	Lansoprazole	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	Heparin	30 mg	
	512	Lapatinib	LC-MS/MS (API 2000)	Human Plasma	15 to 6000 ng / mL	K <sub>2</sub> EDTA	1250 mg	
	513	Ledipasvir	LC-MS/MS (API 4000)	Human Plasma	5 to 800 ng / mL	K <sub>2</sub> EDTA	90 mg	Yes
		Sofosbuvir	LC-MS/MS (API 4000)	Human Plasma	10 to 2000 ng / mL	K <sub>2</sub> EDTA	400 mg	Yes
	514	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	10 mg	
	515	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	25 mg	
	516	Lercanidipine	LC-MS/MS (API 3200)	Human Plasma	0.025 to 12 ng / mL	Heparin	20 mg	
517	*Lercanidipine ( R & S )	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 pg / mL	Sodium heparin	10 mg		
518	*Lercanidipine ( R & S )	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 ng / mL	Heparin	20 mg		
519	*Lercanidipine ( R & S )	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 16000 pg / mL	Sodium heparin	20 mg		
520	Letrozole	LC-MS/MS (API 3200)	Human Plasma	1 to 80 ng / mL	Heparin	2.5 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	521	Levetiracetam	LC-MS/MS (API 3200)	Human Plasma	0.25 to 40 µg / mL	Heparin	1000 mg	
	522	Levocetirizine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K <sub>2</sub> EDTA	5 mg	
	523	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	
	524	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	
	525	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	
	526	Levofloxacin	HPLC-UV	Human Plasma	0.1 to 12 µg / mL	Heparin	500 mg	
	527	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.2 to 75 ng / mL	K <sub>2</sub> EDTA	1.5 mg	
	528	Levonorgestrel	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 ng / mL	K <sub>2</sub> EDTA	1.5 mg	
	529	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K <sub>2</sub> EDTA	0.15 mg	
	530	Levonorgestrel	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 15000 pg/mL	K <sub>2</sub> EDTA		Yes
	531	*Levothyroxin (T4)	LC-MS/MS (API 3200)	Human Serum	5 to 300 ng / mL	NA	600 mcg	
	532	Linagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	0.102 to 10 ng / mL	K <sub>2</sub> EDTA	2.5 mg / 5 mg	
	533	Linezolid	LC-MS/MS (API 3200)	Human Plasma	50 to 25000 ng / mL	K <sub>2</sub> EDTA	600 mg	
	534	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	K <sub>2</sub> EDTA	40 mg	
	535	Lisinopril	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	10 mg	
	536	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	10 mg	
	537	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.7 to 250 ng/mL	K <sub>2</sub> EDTA	20mg	Yes
	538	Lithium Carbonate	Vitros 5.1,FS	Human Serum	0.274 to 3.754 mmol/L	NA	450mg	
539	Lofepamine	LC-MS/MS (API 4000)	Human Plasma	0.1 to 40 ng / mL	Heparin	75 mg		
	Desipramine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 80 ng / mL	Heparin	-		
540	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		
541	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		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	542	Lornoxicam	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K <sub>2</sub> EDTA	8 mg	
	543	Loratadine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 15 ng / mL	K <sub>2</sub> EDTA	10 mg	
	544	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5100 pg / mL	K <sub>2</sub> EDTA	5 mg	Yes
		Desloratadine	LC-MS/MS (API 6500)	Human Plasma	25 to 10500 pg / mL	K <sub>2</sub> EDTA	-	Yes
	545	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	-	
	546	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	-	
	547	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	50 mg	
	548	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 1500 ng / mL	K <sub>2</sub> EDTA	100 mg	
	549	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	
	550	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	
	551	*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	
	552	Lumefantrine	LC-MS/MS (API 4000)	Human Plasma	50 to 20250 ng / mL	K <sub>2</sub> EDTA	480 mg	
	553	Lurasidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg	
	554	Lurasidone	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg	
555	Lurasidone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 200 ng / mL	K <sub>2</sub> EDTA	40 mg		
556	*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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
<b>M</b>								
<b>Location : Canada</b>								
<b>CANADA</b>	557	Meclizine	LC-MS/MS (API 3000)	Human Plasma	1.01 to 256 ng / mL	K <sub>2</sub> EDTA	25 mg	
	558	Mefanamic Acid	HPLC-UV	Human Plasma	50 to 6400 ng / mL	K <sub>2</sub> EDTA	-	
	559	Mefanamic Acid	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	K <sub>2</sub> EDTA	250 mg	
	560	Medroxyprogesterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-	
	561	Medroxyprogesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 pg/mL	Sodium heparin	150 mg	
	562	Megestrol Acetate	LC-MS/MS (Thermo)	Human Plasma	0.3 to 153.6 ng/mL	K <sub>2</sub> EDTA	40 mg / mL	
	563	Meloxicam	HPLC-UV	Human Plasma or Dog Plasma	0.03 to 1.92 µg / mL	K <sub>2</sub> EDTA	-	
	564	Meloxicam	LC-MS/MS (API 3000)	Human Urine	1 to 128 ng / mL	Not applicable	-	
	565	Meloxicam	LC-MS/MS (API 3000)	Human Plasma	10 to 2560 ng / mL	K <sub>2</sub> EDTA	15 mg	
	566	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	Heparin	-	
	567	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	K <sub>3</sub> EDTA	-	
	568	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K <sub>3</sub> EDTA	-	
	569	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	-	
	570	Methylphenidate Achiral	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K <sub>2</sub> EDTA	54 mg	Yes
	571	Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	100 to 30000 pg/mL(D)	K <sub>2</sub> EDTA	54 mg	Yes
		Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	50 to 4000 pg/mL(L)	K <sub>2</sub> EDTA	54 mg	Yes
	572	Methylprednisolone	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	Sodium fluoride potassium oxalate	-	
	573	Metoprolol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	200 mg	
	574	Metformin	LC-MS/MS (API 3000)	Human Plasma	10.01 to 2002 ng / mL	K <sub>2</sub> EDTA	1000 mg	
	575	Metformin	LC-MS (API 150)	Human Urine	2 to 256 µg / mL	Not applicable	1000 mg	
576	Methazolamide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 10000 ng / mL	K <sub>2</sub> EDTA	150 mg		
577	Methazolamide	LC-MS/MS (Waters QPXE)	Human Whole Blood	100 to 50000 ng / mL	K <sub>2</sub> EDTA	150 mg		
578	Methazolamide	LC-MS/MS (Thermo)	Human Plasma	5 to 9800 ng/mL	K <sub>2</sub> EDTA	150 mg	Yes	
579	Minocycline	LC-MS/MS (Thermo)	Human Plasma	4 to 3500 ng / mL	K <sub>2</sub> EDTA	45 mg to 135 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	580	Mirtazapine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	-	
	581	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	-	
	582	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		
	583	Mycophenolic Acid	HPLC-UV	Human Plasma	0.1 to 51 µg / mL	K <sub>2</sub> EDTA	-	
	584	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	-	
585	6-Methoxy-2-Naphthaleneacetic Acid	HPLC - Fluorescence	Human Plasma	0.5 to 32 µg / mL	Heparin	-		
Location : India								
INDIA	586	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	
	587	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	
	588	*Medroxy Progesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 8000 pg / mL	Sodium Heparin	150 mg	
	589	Megestrol Acetate	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	160 mg	
	590	Melatonin	LC-MS/MS (API 4000)	Human Plasma	25 to 10000 pg / mL	K <sub>2</sub> EDTA	5 mg	
	591	Meloxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 3000 ng / mL	K <sub>2</sub> EDTA	15 mg	
	592	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	10 mg	
	593	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K <sub>2</sub> EDTA	20 mg	
	594	Memantine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng / mL	K <sub>2</sub> EDTA	20 mg	
	595	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	28 mg	
	596	*6-Mercaptopurine	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 500 ng / mL	K <sub>2</sub> EDTA	100 mg	
597	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 700 ng / mL	K <sub>2</sub> EDTA	1000 mg		
598	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	K <sub>2</sub> EDTA	1.2 gm		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	599	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500 mg	
	600	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	Sodium heparin	1000 mg	
	601	Metformin	LC-MS/MS (API 3200)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500mg	
	602	Methazolamide	LC-MS/MS (Thermo)	Human Blood	25 to 15000 ng/mL	K <sub>2</sub> EDTA	50 mg	Yes
	603	Methocarbamol	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 µg/mL	K <sub>2</sub> EDTA	750mg	Yes
	604	Methotrexate	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K <sub>2</sub> EDTA	2.5 mg multiple dose	
	605	*L-Methylphenidate	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 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	
	606	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)	Yes
	607	Metoprolol	LC-MS/MS (API 4000)	Human Plasma	0.3 to 50 ng /mL	Heparin	23.75 mg	
	608	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng /mL	Heparin	47.5 / 50 mg	
	609	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.75 to 300 ng /mL	Sodium Heparin	100 / 200 mg	
	610	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	-	
	611	Milnacipran	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	50 mg	
	612	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	Heparin	90 mg	
	613	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 3500 ng /mL	K <sub>2</sub> EDTA	135 mg	
	614	Minoxidil	LC-MS/MS (API 4000)	Human Serum	50 to 4000 pg / mL	NA	5% lipid solution	
615	Mirabegron	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	50 mg		
616	Mirabegron	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K <sub>2</sub> EDTA	50mg		
617	Misoprostol Acid	LC-MS/MS (API 6500)	Human Plasma	5 to 750 pg / mL	K <sub>2</sub> EDTA	0.2 mg (fed study)		
618	*Misoprostol Acid	LC-MS/MS (API 4000)	Human Plasma	10 to 1700 pg / mL	K <sub>2</sub> EDTA	0.2 mg (fasting study)		
619	Moexipril	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	15 mg		
620	Monomethyl Fumarate	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	240 mg DMF		



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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
<b>INDIA</b>	621	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	Heparin	10 mg	
	622	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	5 mg	
	623	Moxifloxacin	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	400 mg	
	624	Moxifloxacin	LC-MS/MS (API 4000)	Human Plasma	15 to 6000 ng / mL	Sodium heparin	400 mg	
	625	Mycophenolate mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 10 ng / mL	K <sub>2</sub> EDTA	250 mg	
		Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng / mL	K <sub>2</sub> EDTA	-	
	626	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	-	
	627	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg / mL	K <sub>2</sub> EDTA	360 mg	
	628	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng / mL	K <sub>2</sub> EDTA	180 mg	
629	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>								
<b>CANADA</b>	630	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	-	
	631	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	-	
	632	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	-	
	633	Naproxen	HPLC - Fluorescence	Human Plasma	0.5 to 128 µg / mL	Heparin	-	
	634	Nebivolol	LC-MS/MS (API 6500)	Human Plasma	15 to 5000 pg/mL	K <sub>2</sub> EDTA	5 mg	Yes
	635	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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	636	Niacin	LC-MS/MS (Thermo)	Human Plasma	20 to 2000 ng / mL	K <sub>2</sub> EDTA	1000 mg	
		Nicotinic acid	LC-MS/MS (Thermo)	Human Plasma	20 to 2000 ng / mL	K <sub>2</sub> EDTA	-	
	637	Nifedipine	LC-MS (API 150)	Human Plasma	0.5 to 200 ng / mL	K <sub>3</sub> EDTA	60 mg	
	638	Nifedipine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 200 ng / mL	K <sub>2</sub> EDTA	60 mg	
	639	Nitrofurantoin	HPLC-UV	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-	
	640	Nizatidine	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Heparin	300 mg	
		Desmethylnizatidine	HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-	
	641	Norfloxacin	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	K <sub>3</sub> EDTA	-	
	642	Nortriptyline	HPLC-UV	Human Plasma	1 to 64 ng / mL	K <sub>3</sub> EDTA	-	
643	Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K <sub>2</sub> EDTA	0.35 mg / 1 mg		
Location : India								
INDIA	644	*Nabilone	LC-MS/MS (Thermo)	Human Plasma	40 to 5000 pg / mL	K <sub>2</sub> EDTA	0.3 mg	
	645	Nadolol	LC-MS/MS (API 4000)	Human Plasma	0.25 to 45 ng / mL	K <sub>2</sub> EDTA	20 mg	
	646	Nadolol	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	80 mg	
	647	Naltrexone	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 35500 pg / mL	Heparin	50 mg	
	648	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	-	
	649	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	-	
	650	Naratriptan	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 ng / mL	Heparin	2.5 mg	
	651	Naproxen	LC-MS/MS (API 2000)	Human Plasma	500 to 50000 ng /mL	K <sub>2</sub> EDTA	200 mg	
	652	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K <sub>2</sub> EDTA	500 mg	
	653	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	
	654	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		
655	Nateglinide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K <sub>2</sub> EDTA	120 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
656	Nebivolol	LC-MS/MS (API 4000)	Human Plasma	0.075 to 20 ng / mL	Heparin	20 mg		
657	Nevirapine	HPLC-UV	Human Plasma	100 to 4000 ng / mL	CPD	200 mg		
658	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 2000 ng / mL	K <sub>2</sub> EDTA	1000 mg / 750 mg		
659	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K <sub>2</sub> EDTA	500 mg		
660	*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	-		
661	Nicorandil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 500 ng / mL	K <sub>2</sub> EDTA	20 mg		
662	*Nicotine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 24 ng / mL	K <sub>2</sub> EDTA	4 mg		
663	*Nicotine	LC-MS/MS (Thermo)	Human Plasma	1 to 25 ng / mL	K <sub>2</sub> EDTA	4 mg		
664	*S-Nicotine	LC-MS/MS (Thermo)	Human Plasma	2 to 50 ng / mL	K <sub>2</sub> EDTA	52.5 mg		
665	Nifedipine	LC-MS/MS (API 2000)	Human Plasma	2.5 to 250 ng / mL	K <sub>2</sub> EDTA	60 mg / 90 mg		
666	Nimodipine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	30 mg	Yes	
667	*Nitrazepam	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	5 mg		
668	Nizatidine	HPLC-UV	Human Plasma	20 to 4000 ng / mL	K <sub>2</sub> EDTA / Heparin	300 mg		
669	Nomegestrol Acetate	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.1 to 20 ng / mL	K <sub>3</sub> EDTA	2.5 mg		
670	19-Norethindrone	LC-MS/MS (API 4000)	Human Plasma	0.25 to 50 ng / mL	K <sub>2</sub> EDTA	5 mg		
671	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	0.075 to 15 ng / mL	K <sub>2</sub> EDTA	1 mg		
672	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K <sub>2</sub> EDTA	0.35 mg		
673	Nortriptyline	LC-MS/MS (Thermo)	Human Plasma	0.1 to 75 ng / mL	K <sub>2</sub> EDTA	50 mg		
674	Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 20 ng / mL	K <sub>2</sub> EDTA	25 mg		
<b>O</b>								
<b>Location : Canada</b>								
CANADA	675	Olanzapine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	10 mg	
	676	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	
	677	Omeprazole	LC-MS/MS (API 3000)	Human Plasma	1 to 1024 ng / mL	Sodium heparin	-	
678	Omeprazole	LC-MS/MS (Thermo)	Human Plasma	5 to 3450 ng / mL	K <sub>2</sub> EDTA	40 mg		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	679	Ondansetron	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Lithium heparin	8 mg	
	680	Oxcarbazepine	LC-MS/MS (API 3000)	Human Plasma	0.01 to 10 µg / mL	K <sub>2</sub> EDTA	300 mg/ 5 mL	
	681	10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51.2 µg / mL	K <sub>2</sub> EDTA		
	682	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	-	
	683	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K <sub>2</sub> EDTA	5 mg	
	684	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	80 mg	
	685	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	-	
	686	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	-	
	687	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>3</sub> EDTA	-	
	688	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	-	
	689	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	-	
	690	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	
691	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	692	*Orlistate (Fat analysis)	FT-IR	Human Fecal/ Human Food	0.25 to 10 g %	NA	60 mg / 120 mg	
	693	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	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	694	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	Sodium heparin	5 mg	
	695	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 45 ng / mL	Sodium Heparin	10 mg	
	696	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 2200 ng / mL	K <sub>2</sub> EDTA	40 mg	
	697	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 1500 ng / mL	K <sub>2</sub> EDTA	20 mg	
	698	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	0.25 to 500 ng / mL	K <sub>2</sub> EDTA	5 mg	
	699	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	10 mg	
	700	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K <sub>2</sub> EDTA	20 mg	
	701	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K <sub>2</sub> EDTA	40 mg	
	702	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	Heparin	8 mg	
	703	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	8 mg	
	704	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K <sub>2</sub> EDTA	50 mg	
	705	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	100 mg	
	706	Ospemifene	LC-MS/MS (Waters QPXE)	Human Serum	3 to 2400 ng / mL	NA	60 mg	
	707	*Oxazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	50 mg	
	708	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	-		
709	*Oxybutynin (S & R)	LC-MS/MS (API 4000)	Human Plasma	25 to 7500 pg / mL	K <sub>2</sub> EDTA	5 mg		
710	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	-		
711	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>								
CANADA	Location : Canada							
	712	Pantoprazole	LC-MS/MS (API 3000)	Human Plasma	20 to 5120 ng / mL	K <sub>2</sub> EDTA	40 mg	
	713	Paroxetine	HPLC - Fluorescence	Human Plasma	0.2 to 50 ng / mL	Sodium heparin	-	
	714	Paroxetine	HPLC - Fluorescence	Human Plasma	1.6 to 200 ng / mL	Sodium heparin	-	
	715	Pentoxifylline	HPLC-UV	Human Plasma	5 to 240 ng / mL	K <sub>3</sub> EDTA	-	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	716	Pergolide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 1.28 ng / mL	Heparin	-	
	717	Phenylephrine (Total)	LC-MS/MS (Thermo)	Human Plasma	4 to 512 ng / mL	K <sub>2</sub> EDTA	10 mg	
	718	Phenytoin	HPLC-UV	Human Plasma	0.04 to 2.56 µg / mL	K <sub>3</sub> EDTA	-	
	719	Pramipexole	LC-MS/MS (Thermo)	Human Plasma	50 to 3200 pg / mL	K <sub>2</sub> EDTA	-	
	720	*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	
	721	*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	
	722	Pravastatin	LC-MS/MS (API 3000)	Human Plasma	0.25 to 128 ng / mL	Sodium heparin	-	
		3-α-Hydroxy Pravastatin	LC-MS/MS (API 3000)	Human Plasma	0.25 to 128 ng / mL	Sodium heparin	-	
	723	Pravastatin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	80 mg	
		3-α-Hydroxy Pravastatin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-	
	724	Pravastatin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	Sodium heparin	80 mg	
		3-α-Hydroxy Pravastatin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-	
	725	Primidone	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 µg / mL	K <sub>2</sub> EDTA	-	
Phenobarbital		LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 µg / mL	K <sub>2</sub> EDTA	-		
Phenylethylmalonamide		LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 µg / mL	K <sub>2</sub> EDTA	-		
726	Progesterone	LC-MS/MS (API 6500)	Human Plasma	0.04 to 40 pg/mL	K <sub>2</sub> EDTA	200 mg (Fasting)	Yes	
<b>Location : India</b>								
INDIA	727	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4500 ng / mL	Heparin	175 mg	
	728	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Whole Blood	50 to 30000 ng / mL	Heparin	220 mg / m <sup>2</sup> (IV)	
	729	*Paclitaxel (Free)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	Heparin	220 mg / m <sup>2</sup> (IV)	
	730	Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	25 to 25000ng / mL	K <sub>2</sub> EDTA	100 mg	
	731	Paclitaxel (Free)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	10 to 5000 ng / mL	K <sub>2</sub> EDTA	21.7 (mg/kg)	
	732	Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Blood	25 to 25000 ng / mL	K <sub>2</sub> EDTA	-	Yes
	733	*Paricalcitol	LC-MS/MS (Waters XEVO TQ-S)	Wistar Rat Plasma	50 to 30500 pg / mL	Sodium heparin	Multiple dose	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	734	Paliperidone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K <sub>2</sub> EDTA	6 mg	
	735	Paracetamol	LC-MS/MS (API 3200)	Human Plasma	50 to 10000 ng / mL	K <sub>2</sub> EDTA	300 mg / 500 mg	
	736	Pantoprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 5000 ng / mL	Heparin	40 mg	
	737	Penicillin V	HPLC-UV	Human Plasma	0.1 to 4 µg / mL	Heparin	250 mg	
	738	Perampanel	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng / mL	K <sub>2</sub> EDTA	12 mg	
	739	Perphenazine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 2500 pg / mL	K <sub>2</sub> EDTA	16 mg	
	740	Phenytoin	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	K <sub>2</sub> EDTA	300mg (3X100mg)	
	741	Phenyl butyrate	LC-MS/MS (API 3200)	Human Plasma	0.1 to 50 µg / mL	K <sub>2</sub> EDTA	500 mg	
	742	*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)	
	743	*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)	
	744	*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	-	
	745	Pioglitazone	LC-MS/MS (API 2000)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
	746	Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
	747	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	-	
	748	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		
749	Pirfenidone	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	3 X 267 mg	Yes	
750	Piroxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 4000 ng / 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	751	Potassium Chloride	Vitros 5.1,FS	Human Urine	2.041 to 150.358 mEq/L	NA	80mEq	
	752	Potassium Citrate (Analyte - Potassium )	Vitros 5.1,FS	Human Urine	2 to 150 mmol/L	NA	60 mEq (4 X 15 mEq)	
	753	Pomalidomide	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 125 ng / mL	K <sub>2</sub> EDTA	4 mg	
	754	Pramipexole	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 1000 pg / mL	K <sub>2</sub> EDTA	0.25 mg	Yes
	755	*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	
	756	*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	
	757	*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	
	758	*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	
	759	*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	
	760	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	-	
	761	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	-	
	762	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	40 mg/ 80 mg	
	763	Prednisolone	LC-MS/MS (API 3200)	Human Plasma	2 to 1000 ng / mL	K <sub>2</sub> EDTA	25 mg	
	764	Prednisolone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K <sub>2</sub> EDTA	5 mg	
	765	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 15000 ng / mL	K <sub>2</sub> EDTA	300 mg	
	766	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 2500 ng / mL	K <sub>2</sub> EDTA	50 mg	
	767	Pregabalin	LC-MS/MS (Shimadzu 8040)	Human Plasma	20 to 5000 ng /mL	K <sub>2</sub> EDTA	75 mg	
	768	Prochlorperazine	LC-MS/MS (API 4000)	Human Plasma	5 to 300 pg / mL	Heparin	5 mg	
	769	Prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 300 pg / mL	Sodium heparin	3 mg	
	770	prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 700 pg / mL	Sodium heparin	3 mg (buccal tablet)	Yes
	771	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	0.04 to 40 ng / mL	K <sub>2</sub> EDTA	200 mg (fasting)	
	772	*Progesterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 150 ng / mL	K <sub>2</sub> EDTA	200 mg (fed)	
773	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K <sub>2</sub> EDTA	100 mg		
774	Proguanil	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 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
INDIA	775	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	-
	776	Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	300 mg / 500 mg
	777	S-Propranolol (Total)	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K <sub>2</sub> EDTA	40 mg
	778	Propylthiouracil	LC-MS/MS (Waters QPXE)	Human Plasma	7.5 to 4000 ng / mL	K <sub>2</sub> EDTA	50 mg
	779	Pseudoephedrine	LC-MS/MS (API 3200)	Human Plasma	2 to 400 ng / mL	Heparin	30 mg
	780	Pyrazinamide	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 30000 ng/mL	K <sub>2</sub> EDTA	600 mg
	781	2-Pyridylacetic acid	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 800 ng / mL	K <sub>2</sub> EDTA	16 mg of Betahistine
<b>Q</b>							
CANADA	Location : Canada						
	782	Quetiapine	LC-MS/MS (Thermo)	Human Plasma	1 to 1024 ng / mL	K <sub>2</sub> EDTA	200 mg
	783	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	20 mg
INDIA	Location : India						
	784	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	-
	785	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	-
	786	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 350 ng / mL	Heparin	25 mg / 50 mg
	787	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K <sub>2</sub> EDTA	50 mg
	788	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	-
	789	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	Sodium heparin	50 mg / 200 mg
	790	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K <sub>2</sub> EDTA	50 mg / 200 mg
	791	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	-
	792	Quetiapine	LC-MS/MS (API 3200)	Human Plasma	20 to 2500 ng / mL	Sodium heparin	300 / 400 mg
793	Quinapril	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng / mL	K <sub>3</sub> EDTA	10 mg	
794	Quinine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 5000 ng / mL	K <sub>2</sub> EDTA	300 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
<b>R</b>							
<b>Location : Canada</b>							
<b>CANADA</b>	795	Rabeprazole	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	K <sub>2</sub> EDTA	20 mg
	796	Ramipril	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	K <sub>3</sub> EDTA	2.5 mg
		Ramiprilat	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	K <sub>3</sub> EDTA	-
	797	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	-
	798	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	-
	799	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	-
	800	Ranitidine	LC-MS/MS (Thermo)	Human Plasma	15 to 1920 ng / mL	K <sub>2</sub> EDTA	300 mg
	801	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	-
	802	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	35 mg
	803	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 128 ng / mL	K <sub>2</sub> EDTA	75 mg
804	Rivastigmine	LC-MS/MS (Thermo)	Human Plasma	0.3 to 63 ng / mL	K <sub>2</sub> EDTA	Transdermal Patch 9.5 mg	
805	Rosiglitazone	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	Sodium heparin	8 mg	
806	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25 ng / mL	K <sub>2</sub> EDTA	20 mg	
807	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K <sub>2</sub> EDTA	40 mg	
<b>Location : India</b>							
<b>INDIA</b>	808	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K <sub>3</sub> EDTA/ Heparin	20 mg
	809	Rabeprazole	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	10 / 20 mg
	810	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	10 / 20 mg
	811	*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	-

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	*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	-		
	813	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	-	
	814	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 150 ng / mL	Heparin	15 mg	
	815	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.05 to 40 ng / mL	Heparin	2.5 mg / 5 mg	
	816	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K <sub>2</sub> EDTA	1000 mg	
	817	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	1000 mg	Yes
	818	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	Heparin	150 / 300 mg	
	819	Ranitidine	HPLC-UV	Human Plasma	25 to 1500 ng / mL	K <sub>2</sub> EDTA / Heparin	300 mg	
	820	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	5 to 600 ng / mL	K <sub>2</sub> EDTA / Heparin	75 mg	
	821	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 14000 pg / mL	K <sub>2</sub> EDTA	1 mg (Fasting study)	
	822	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 6000 pg/mL	K <sub>2</sub> EDTA	1 mg ( Fed study)	Yes
	823	Repaglinide	LC-MS/MS (API 3200)	Human Plasma	0.25 to 30 ng / mL	K <sub>2</sub> EDTA	2 mg	
	824	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	
	825	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K <sub>2</sub> EDTA	550 mg	
	826	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng / mL	K <sub>2</sub> EDTA	550 mg	
	827	Rifaximin	LC-MS/MS (API 6500)	Human Plasma	5 to 1500 pg/mL	K <sub>2</sub> EDTA	200 mg	Yes
	828	Rivaroxaban	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K <sub>2</sub> EDTA	10 mg / 20 mg	
	829	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 80 ng / mL	Heparin	35 mg	
	830	*Risedronate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	30 to 80000 pg / mL	Sodium heparin	35 mg	
	831	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 160 ng / mL	Heparin	75 mg	
832	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 250 ng / mL	Heparin	150 mg		
833	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	-		
834	Rizatriptan	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 60 ng / mL	K <sub>2</sub> EDTA	10 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
<b>INDIA</b>	835	Rupatadine	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K <sub>2</sub> EDTA	10 mg	
	836	Ropinirole	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K <sub>2</sub> EDTA	2 mg	
	837	Ropinirole	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 pg / mL	K <sub>2</sub> EDTA	0.25 mg	
	838	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	15 to 900 ng / mL	K <sub>2</sub> EDTA	8 mg	
	839	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng / mL	K <sub>2</sub> EDTA	4 mg	
	840	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> EDTA	5 mg / 10 mg	
	841	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.15 to 60 ng / mL	K <sub>2</sub> EDTA	20 mg	
	842	Rosuvastatin	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K <sub>2</sub> EDTA	40 mg	
	843	Roxithromycin	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 13500 ng / mL	K <sub>2</sub> EDTA	150 mg	
<b>S</b>								
<b>Location : Canada</b>								
<b>CANADA</b>	844	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	-	
	845	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	-	
	846	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	-	
	847	Sirolimus	LC-MS/MS (API 3000)	Human Whole Blood	0.4 to 51 ng / mL	K <sub>2</sub> EDTA	2 mg	
	848	Sitagliptin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K <sub>2</sub> EDTA	100 mg	
	849	Sotalol	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	heparin	-	
	850	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	
	851	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	-	
	852	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	

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	853	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	-	
	854	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	855	*Salmeterol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K <sub>2</sub> EDTA	50 mcg	
	856	*Sapropterin	LC-MS/MS (Thermo)	Human Plasma	1.5 to 250 ng / mL	Sodium heparin	10 mg / kg	
	857	Secnidazole	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 µg / mL	K <sub>2</sub> EDTA	1 gm	
	858	Sertraline	LC-MS/MS (API 3200)	Human Plasma	1 to 100 ng / mL	Sodium Heparin	100 mg	
	859	Sertraline	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 40 ng / mL	Heparin	50 mg	
	860	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	-	
	861	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	-	
	862	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	-	
	863	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	-	
864	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	-		
865	Simvastatin	LC-MS/MS (Thermo)	Human Plasma	30 to 15000 pg / mL	Sodium heparin	10 mg		
866	Sirolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.15 to 25 ng / mL	K <sub>2</sub> EDTA	2 mg	Yes	
867	Sirolimus	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	40 to 12000 pg / mL	K <sub>2</sub> EDTA	0.5 mg		
868	Solifenacin	LC-MS/MS (API 3200)	Human Plasma	0.5 to 25 ng / mL	K <sub>2</sub> EDTA	10 mg		

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## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	869	Spirolactone	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	-	
	870	Spirolactone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K <sub>2</sub> EDTA	25 mg	
	871	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	
	872	Sumatriptan	LC-MS/MS (API 2000)	Human Plasma	1 to 100 ng / mL	Heparin	100 mg	
873	Sunitinib	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng/mL	Sodium heparin	50mg	Yes	
<b>T</b>								
Location : Canada								
CANADA	874	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	0.5 to 4 mg	
	875	Tamoxifen	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K <sub>2</sub> EDTA	20 mg	
	876	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	-	
	877	Tamsulosin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K <sub>2</sub> EDTA	-	
	878	Temazepam	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K <sub>2</sub> EDTA	30 mg	
	879	Terazosin	HPLC - Fluorescence	Human Plasma	0.5 to 64 ng / mL	Heparin	-	
	880	Terbinafine	HPLC-UV	Human Plasma	0.01 to 2.5 µg / mL	K <sub>3</sub> EDTA	250 mg	
	881	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	K <sub>2</sub> EDTA	1% gel	
	882	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	-	
	883	Tetracycline	LC-MS/MS (Thermo)	Human Plasma	200 to 20000 ng / mL	K <sub>2</sub> EDTA	500 mg	
	884	Theophylline	HPLC-UV	Human Plasma	0.15 to 19 µg / mL	K <sub>3</sub> EDTA	-	
	885	Ticlopidine	HPLC-UV	Human Plasma	10 to 1280 ng / mL	K <sub>3</sub> EDTA	-	
886	Topiramate	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	5 to 2560 ng / mL	Sodium heparin	50 mg		
887	Topiramate	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	Sodium heparin	200 mg		
888	Torsemide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 10240 ng / mL	K <sub>3</sub> EDTA	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
889	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	-	
890	Tramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	2 to 1024 ng / mL	K <sub>2</sub> EDTA	89 mg	
	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	-	
891	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	-	
892	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	-	
893	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	-	
894	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 500 ng/mL	K <sub>2</sub> EDTA	100 mg	Yes
895	Trazodone	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Heparin	-	
896	Triamcinolone acetonide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 6.4 ng/mL	K <sub>2</sub> EDTA	10 mg/mL	
897	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	-	

CANADA

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
Location : India								
INDIA	898	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	40 to 12000 pg / mL	K <sub>2</sub> EDTA	0.5 mg	
	899	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	40 to 12000 pg / mL	K <sub>2</sub> EDTA	0.5 mg / 1 mg	
	900	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.25 to 100 ng / mL	K <sub>2</sub> EDTA	5 mg	Yes
	901	*Tacrolimus	LC-MS/MS (Shimadzu 8060)	Human Blood	5 to 500 pg / mL	K <sub>2</sub> EDTA	0.1 % gel	
	902	Tacrolimus	LC-MS/MS (Thermo)	Human Blood	40 to 12000 pg/mL	K <sub>2</sub> EDTA	1 mg	Yes
	903	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 1000 ng / mL	K <sub>2</sub> EDTA	20 mg	
	904	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K <sub>2</sub> EDTA	10 mg	
	905	Tadalafil	LC-MS/MS (Shimadzu 8040)	Human Plasma	1 to 200 ng / mL	K <sub>2</sub> EDTA	5 mg	
	906	Tamsulosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K <sub>2</sub> EDTA	0.4 mg	
	907	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	
	908	*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	
	909	*Teicoplanin component (A 3)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 250 µg/ mL	K <sub>2</sub> EDTA	400 mg injection	
	910	Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K <sub>2</sub> EDTA	80 mg	
	911	*Temozolomide	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 ng / mL	Heparin	250 mg	
	912	*Temozolomide Metabolite (MTIC)	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 600 ng /mL	Heparin	250 mg of Temozolamid	
	913	Tenofovir	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	245 mg	
	914	Tenofovir	LC-MS/MS (Waters QPXE)	Human Serum	3 to 800 ng / mL	NA	245 mg	
	915	Tenofovir	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K <sub>2</sub> EDTA	245 mg	
	916	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K <sub>2</sub> EDTA / Heparin	20 mg	
	917	*Tetranor-PGEM	LC-MS/MS (API 4000)	Human Urine	1 to 50 ng / mL	NA	NA	
	918	Terbinafine	LC-MS/MS (API 2000)	Human Plasma	5 to 3000 ng / mL	K <sub>2</sub> EDTA	250 mg	
	919	Teriflunomide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	K <sub>2</sub> EDTA	14 mg	
	920	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K <sub>2</sub> EDTA	1 % gel	
921	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	-		
922	Thalidomide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	50 mg		



# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
923	Thiorphan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 160 ng / mL	K <sub>2</sub> EDTA	30 mg of Racecadotril	
924	*Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.2 to 20 ng / mL	Not applicable	NA	
925	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	-	
926	Tofacitinib	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K <sub>2</sub> EDTA	5 mg	
927	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4mg	
928	Tolterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4 mg	
929	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 30000 pg / mL	Sodium heparin	4 mg (steady state)	
930	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	-	
931	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	-	
932	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	-	
933	Tolvaptan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K <sub>2</sub> EDTA	30 mg	Yes
934	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 4000 ng / mL	Heparin	50 / 100 mg	
935	Topiramate	LC-MS/MS (API 3200)	Human Plasma	10 to 600 ng / mL	Heparin	25 mg	
936	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	Sodium heparin	200 mg	
937	Torsemide	LC-MS/MS (API 3200)	Human Plasma	10 to 6000 ng / mL	K <sub>2</sub> EDTA	10 mg / 20 mg	
938	Tramadol	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	Heparin	37.5 mg / 50 mg	
939	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		
940	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	-	
941	Trazodone	LC-MS/MS (API 3200)	Human Plasma	5 to 3000 ng / mL	K <sub>2</sub> EDTA	100 mg	
942	Triamcinolone Acetonide	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg / mL	K <sub>2</sub> EDTA	40 mg / mL	

INDIA

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	943	Trifluoperazine	LC-MS/MS (API 2000)	Human Plasma	0.05 to 10 ng / mL	CPD	-	
	944	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	-	
	945	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 150 ng / mL	Heparin	35 mg	
	946	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 250 ng / mL	Heparin	35 mg multiple dose	
	947	Trimethoprim	HPLC-UV	Human Plasma	0.025 to 2.5 µg / mL	CPD	50 mg	
	948	Tropium	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K <sub>2</sub> EDTA	20 mg	
	949	Tropium	LC-MS/MS (API 4000)	Human Plasma	25 to 8000 pg / mL	K <sub>2</sub> EDTA	30 mg	
	950	Tropium	LC-MS/MS (API 4000)	Human Plasma	10 to 2500 pg / mL	K <sub>2</sub> EDTA	60 mg	

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
<b>U</b>								
<b>CANADA</b>	<b>Location : Canada</b>							
	951	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>CANADA</b>	<b>Location : Canada</b>							
	952	Valsartan	LC-MS/MS (API 3000)	Human Plasma	20 to 10240 ng / mL	K <sub>2</sub> EDTA	160 mg	
	953	Valsartan	LC-MS/MS (Waters)	Human Plasma	10 to 5000 ng/mL	K <sub>2</sub> EDTA	80 mg	yes
	954	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	-	
	955	Venlafaxine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	Sodium heparin	300 mg	yes
		Orthodesmethyl Venlafaxine	LC-MS/MS (Thermo)	Human Plasma	2 to 800 ng/mL	Sodium heparin	-	yes
	956	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	-	
	957	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	-		
958	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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	959	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	-	
	960	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	-	
	961	Vigabatrin	LC-MS (API 150)	Human Plasma	0.2 to 25 µg / mL	K <sub>2</sub> EDTA	-	
Location : India								
INDIA	962	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	-	
	963	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	-	
	964	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	-	
	965	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	-	
	966	valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 320 ng / mL	K <sub>2</sub> EDTA	450 mg	
	967	Valproic acid	HPLC-UV	Human Plasma	1 to 110 µg / mL	Heparin	500 mg	
	968	Valproic acid	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 80 µg / mL	Sodium heparin	500 mg	
	969	Valsartan	LC-MS/MS (API 3200)	Human Plasma	20 to 2000 ng / mL	Heparin	40 mg	
	970	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	Heparin	160 mg	
	971	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	K <sub>2</sub> EDTA	160 mg	
	972	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	Sodium heparin	320 mg	
	973	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	K <sub>2</sub> EDTA	320 mg	
	974	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	
	975	Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 300 ng / mL	Sodium heparin	150 mg	
	976	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	-		

# Lambda Therapeutic Research

## SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
977	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	-	
978	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-	
	Norverapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-	
979	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	-	
980	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	
<b>INDIA</b>	981	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	-	
	982	Vardenafil	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Sodium heparin	20 mg	
	983	Vilazodone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 40 ng / mL	K <sub>2</sub> EDTA	10 mg	
	984	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	0.25 to 20 ng / mL	K <sub>2</sub> EDTA	5600 IU / 2600 IU	
	985	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	1 to 200 ng / mL	K <sub>2</sub> EDTA	40000 IU	
	986	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	1 to 700 ng / mL	K <sub>2</sub> EDTA	50 mg	
	987	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>								
<b>CANADA</b>	Location : Canada							
	988	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	-	
<b>INDIA</b>	Location : India							
	989	Warfarin	HPLC - Fluorescence	Human Plasma	10 to 750 ng / mL	Heparin	5 mg	
	990	Warfarin	HPLC - Fluorescence	Human Plasma	20 to 2500 ng / mL	Heparin	10 mg	
<b>Z</b>								
<b>CANADA</b>	Location : Canada							
	991	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.125 to 64 ng / mL	K <sub>2</sub> EDTA	5 mg	
	992	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K <sub>2</sub> EDTA	40 mg	
	993	Zolpidem	HPLC - Fluorescence	Human Plasma	1 to 512 ng / mL	K <sub>3</sub> EDTA	10 mg	
<b>INDIA</b>	Location : India							
	994	Ziprasidone	HPLC - Fluorescence	Human Plasma	1.5 to 200 ng / mL	NA	40 mg	
	995	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	-	
	996	Zolpidem	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K <sub>2</sub> EDTA	10 mg	
997	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 - 3a	LC-MS/MS (Thermo)	Dog cerebrospinal fluid	0.5 ng / mL	Lithium heparin	
		New Chemical Entity - 3b	LC-MS/MS (Thermo)	Dog cerebrospinal fluid	0.8 ng / mL	Not applicable	
	4	New Chemical Entity - 4 (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K <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 ASSESSMENT

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

\*: Developed method available

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# Lambda Therapeutic Research

## PD MARKERS

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

# Lambda Therapeutic Research

## PD MARKERS

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

# 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

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