

# **LIST OF VALIDATED BIO ANALYTICAL METHODS**



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*Science with ethics*

**MICRO THERAPEUTIC RESEARCH LABS PRIVATE LIMITED**  
**No.6, Kamarajar Salai, Selaiyur, East Tambaram,**  
**Chennai – 600 059, Tamil Nadu, India.**

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Sl.No	Molecule Name	Anticoagulant	Matrix	CC Concentration	
				Range	Unit
1	Abiraterone	K <sub>2</sub> EDTA	Plasma	0.2060 to 1001.6260	ng/mL
2	Aliskiren	K <sub>2</sub> EDTA	Plasma	2.40 to 1274.19	ng/ml
3	Allopurinol and its metabolite	K <sub>3</sub> EDTA	Plasma	0.10 to 340.00	µg/mL
				0.14 to 20.0	µg/mL
4	Amantadine	K <sub>2</sub> EDTA	Plasma	2.63 to 698.81	ng/ml
5	Amitriptyline and Nortriptyline (Lower CC range)	K <sub>2</sub> EDTA	Plasma	0.11 to 20.14	ng/ml
	Amitriptyline and Nortriptyline (Higher CC range)			0.10 to 19.96	ng/ml
6	Amlodipine and Telmisartan	K <sub>2</sub> EDTA	plasma	0.50 to 201.84 & 0.10 to 41.12	ng/mL
				0.09 to 18.07 & 5.05 to 1012.24	ng/mL
7	Amodiaquine	K <sub>3</sub> EDTA	Plasma	0.202 to 79.978	ng/ml
8	Amoxicillin	K <sub>3</sub> EDTA	Plasma	0.15 to 14.96	µg/mL
9	Anastrozole	K <sub>3</sub> EDTA	Plasma	0.23 to 42.26	ng/mL
10	Aprepitant	K <sub>2</sub> EDTA	Plasma	5.5780 to 5058.7880	ng/mL
11	Aripiprazole	K <sub>2</sub> EDTA	Plasma	0.25 to 100.60	ng/ml
12	Artemether	K <sub>3</sub> EDTA	Plasma	1.74 to 250.00	ng/mL
13	Asenapine & N-Desmethyl Asenapine	K <sub>2</sub> EDTA	Plasma	0.10 to 35.31	ng/mL
				0.10 to 34.47	ng/mL
14	Asenapine N-Oxide	K <sub>2</sub> EDTA	Plasma	10.37 to 1005.78	pg/mL
15	Aspirin & Salicylic Acid	K <sub>2</sub> EDTA & NaF	Plasma	21.10 to 4028.40 105.50 to 20091.60	ng/mL
16	Atomoxetine Hydrochloride	K <sub>3</sub> EDTA	Plasma	1.01 to 503.58	ng/mL
17	Atorvastatin	K <sub>3</sub> EDTA	Plasma	3.13 to 1106.21	ng/mL
18	Atovaquone	K <sub>2</sub> EDTA	Plasma	100.73 to 45016.6060	ng/mL
19	Azithromycin (Lower CC range)	K <sub>3</sub> EDTA	Plasma	4.02 to 1647.24	ng/mL
	Azithromycin (Higher CC range)			5.08 to 1653.88	ng/mL
20	Baclofen (R & S Isomers)	K <sub>3</sub> EDTA	Plasma	0.50 to 306.99	ng/mL
				0.50 to 306.51	ng/mL
21	Balsalazide & Mesalamine	K <sub>2</sub> EDTA	Plasma	1.05 to 1011.14 1.21 to 1163.06	ng/mL
22	Benazepril	K <sub>3</sub> EDTA	Plasma	5.29 to 1270.24	ng/mL
23	Bendroflumethiazide	K <sub>2</sub> EDTA	Plasma	0.50 to 241.84	ng/mL
24	Bexarotene	K <sub>2</sub> EDTA	Plasma	1.04 to 351.93	ng/mL
25	Bismuth	K <sub>2</sub> EDTA	Plasma	0.69 to 101.88	ng/mL
26	Bumetanide	K <sub>3</sub> EDTA	Plasma	0.31 to 99.05	ng/mL
27	Budesonide (Lower CC range)	K <sub>2</sub> EDTA	Plasma	30.11 to 5018.43	pg/mL
	Budesonide (Higher CC range)			0.10 to 8.52	ng/mL
28	Bupropion and its metabolites Hydroxy Bupropion , Erythro Bupropion & Threo Bupropion	K <sub>2</sub> EDTA	Plasma	1.06 to 593.62 3.17 to 1768.77 1.08 to 600.80 1.06 to 591.43	ng/mL
				1.03 to 597.83 3.14 to 1816.09	ng/mL
29	Bupropion and its metabolites	Sodium Heparin	Plasma	1.03 to 597.83 3.14 to 1816.09	ng/mL

Sl.No	Molecule Name	Anticoagulant	Matrix	CC Concentration	
				Range	Unit
	Hydroxy Bupropion , Erythro Bupropion & Threo Bupropion			1.03 to 595.26 1.01 to 585.85	
30	Bisoprolol & Hydrochlorothiazide	K <sub>3</sub> EDTA	Plasma	0.44 to 74.26 & 0.49 to 159.36	ng/mL
31	Bosentan	K <sub>2</sub> EDTA	Plasma	10.06 to 5004.55	ng/mL
32	Caffeine	K <sub>2</sub> EDTA	Plasma	10.06 to 10896.00	ng/mL
33	Calcitriol	K <sub>2</sub> EDTA	Plasma	10 to 1000	pg/mL
34	Carbidopa + Levodopa	K <sub>3</sub> EDTA	Plasma	1.0500 to 250.7590 10.0470 to 8035.0980	ng/mL
35	Carbocisteine	K <sub>2</sub> EDTA	Plasma	52.24 to 7076.31	ng/mL
36	Carvedilol	K <sub>3</sub> EDTA	Plasma	0.51 to 302.75	ng/mL
37	Cefpodoxime acid (Higher CC range)	K <sub>2</sub> EDTA	Plasma	24.87 to 9886.24	ng/mL
	Cefpodoxime acid (Lower CC range)	K <sub>2</sub> EDTA	Plasma	3.95 to 4009.83	ng/mL
38	Cefuroxime acid (Higher CC range)	K <sub>3</sub> EDTA	Plasma	0.10 to 14.07	µg/mL
	Cefuroxime acid (Lower CC range)	K <sub>3</sub> EDTA	Plasma	0.07 to 7.39	µg/mL
39	Celecoxib	K <sub>2</sub> EDTA	Plasma	5.97 to 2064.18	ng/mL
40	Cetirizine	K <sub>2</sub> EDTA	Plasma	2.05 to 1200.58	ng/mL
41	Chlorthalidone	K <sub>2</sub> EDTA	Plasma	20.73 to 10030.75	ng/mL
42	Chromium	K <sub>2</sub> EDTA	Plasma	201.48 to 20,020	ng/mL
43	Ciprofloxacin	K <sub>2</sub> EDTA	Plasma	10.68 to 5043.02	ng/mL
44	Clarithromycin	K <sub>3</sub> EDTA	Plasma	20.65 to 5259.35	ng/mL
45	Clavulanic Acid	K <sub>3</sub> EDTA	Plasma	0.05 to 2.00	µg/mL
46	Clindamycin	K <sub>2</sub> EDTA	Plasma	0.015 to 8.03	µg/mL
47	Clonazepam	K <sub>2</sub> EDTA	Plasma	0.11 to 35.04	ng/mL
48	Clopidogrel	K <sub>2</sub> EDTA	Plasma	50.77 to 9980.21	pg/mL
49	Colchicine	K <sub>2</sub> EDTA	Plasma	40.83 to 7562.59	pg/mL
50	Curcumin	K <sub>3</sub> EDTA	Plasma	3.0660 to 1006.4540	ng/mL
				30.268 to 15333.24	pg/mL
51	Cyproterone Acetate	K <sub>2</sub> EDTA	Plasma	0.306 to 103.488	ng/mL
52	Darunavir and Ritonavir	K <sub>2</sub> EDTA	Plasma	25.39 to 20071.97 03.12 to 2471.28	ng/mL
53	Disulfiram Metabolite (S-Methyl N, N-Diethylthiocarbamate)	K <sub>2</sub> EDTA	Plasma	0.25 to 251.76	ng/mL
54	Donepezil	K <sub>2</sub> EDTA	Plasma	0.25 to 259.37	ng/mL
55	Deferasirox (Lower CC Range)	K <sub>2</sub> EDTA	Plasma	0.10 to 35.66	µg/mL
	Deferasirox (Higher CC Range)	K <sub>2</sub> EDTA	Plasma	0.30 to 130.45	µg/mL
56	Desvenlafaxine	K <sub>2</sub> EDTA	Plasma	5.0800 to 804.2960	ng/mL
57	Dexibuprofen	K <sub>2</sub> EDTA	Plasma	297.04 to 113169.55	ng/mL
58	Diclofenac (Higher CC Range)	K <sub>3</sub> EDTA	Plasma	5.87 to 7441.53	ng/mL
	Diclofenac (Lower CC Range)	K <sub>2</sub> EDTA	Plasma	1.50 to 2246.06	ng/mL

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59	Dicloxacillin	K <sub>2</sub> EDTA	Plasma	0.15 to 70.00	µg/mL
60	Dienogest	K <sub>2</sub> EDTA	Plasma	1.06-267.29	ng/mL
61	Digoxin	K <sub>2</sub> EDTA	Plasma	40.33 to 8092.75	pg/mL
62	Diflunisal	K <sub>3</sub> EDTA	Plasma	0.13 to 55.60	µg/mL
63	Doxepin	K <sub>2</sub> EDTA	Plasma	0.0980 to 50.0060	ng/mL
64	Doxorubicin (Free & liposomal)	K <sub>2</sub> EDTA	Plasma	0.2037 to 60.8953 & 10.2040 to 5014.8600	ng/mL & µg/ml
65	Doxycycline	K <sub>2</sub> EDTA	Plasma	0.03 to 10.00	µg/ml
66	Drospirenone	K <sub>2</sub> EDTA	Plasma	0.20 to 218.33	ng/mL
67	Drospirenone & Ethinyl Estradiol	K <sub>2</sub> EDTA	Plasma	0.20 to 201.58 2.86 to 501.84	ng/mL pg/mL
68	Drotaverine Hydrochloride	K <sub>3</sub> EDTA	Plasma	1.11 to 664.34	ng/mL
69	Duloxetine	K <sub>2</sub> EDTA	Plasma	0.45 to 302.31	ng/mL
70	Dutasteride	K <sub>2</sub> EDTA	Plasma	28.14 to 10054.54	pg/ml
71	Efavirenz	K <sub>3</sub> EDTA	Plasma	21.18 to 8169.60	ng/mL
72	Eletriptan	K <sub>3</sub> EDTA	Plasma	0.28 to 252.00	ng/mL
73	Emtricitabine & Efavirenz	K <sub>3</sub> EDTA	Plasma	22.57 to 4275.37 & 100.18 to 10018.84	ng/mL
74	Emtricitabine & Lamivudine	K <sub>3</sub> EDTA	Plasma	11.19 to 395.84 & 10.96 to 3983.95	ng/mL
75	Enalapril	K <sub>2</sub> EDTA	Plasma	3.04 to 1851.10	ng/mL
76	Enalaprilat	K <sub>2</sub> EDTA	Plasma	0.49 to 303.26	ng/mL
77	Entacapone	K <sub>3</sub> EDTA	Plasma	10.02 to 3608.04	ng/mL
78	Esomeprazole	K <sub>3</sub> EDTA	Plasma	5.01 to 4001.14	ng/mL
79	Estradiol (Higher CC range)	K <sub>2</sub> EDTA	Plasma	5.02 to 1014.32	pg/mL
	Estradiol (Lower CC range)	K <sub>2</sub> EDTA	Plasma	1.99 to 703.10	pg/mL
	Estradiol (Lower CC range)	K <sub>2</sub> EDTA	Plasma	5.06 to 500.73	pg/mL
80	Estrone (Higher CC range)	K <sub>2</sub> EDTA	Plasma	25.25 to 5113.76	pg/mL
	Estrone (Lower CC range)	K <sub>2</sub> EDTA	Plasma	9.90 to 3490.59	pg/mL
	Estrone (Lower CC range)	K <sub>2</sub> EDTA	Plasma	25.39 to 2512.68	pg/mL
81	Estrone-3-sulfate	K <sub>2</sub> EDTA	Plasma	20.67 to 5039.69	pg/mL
82	Total Estrone	K <sub>2</sub> EDTA	Plasma	0.10 to 100.60	ng/mL
83	Eterncept	N/AP	Seru	0.78-50.00	ng/mL
84	Ethinyl Estradiol (Higher CC range)	K <sub>2</sub> EDTA	Plasma	2.83 to 504.42	pg/mL
	Ethinyl Estradiol (Lower CC range)	K <sub>2</sub> EDTA	Plasma	1.53 to 300.16	Pg/mL
85	Ethyl Docosahexanoate and Ethyl Eicosapentanoate (Lower CC)	K <sub>2</sub> EDTA	Plasma	1.00 to 1521.26 & 1.09 to 3020.57	ng/mL
	Ethyl Docosahexanoate and Ethyl Eicosapentanoate (Higher CC)	K <sub>2</sub> EDTA	Plasma	4.06 to 3283.69 & 4.01 to 3244.86	ng/mL
86	Etodolac	K <sub>2</sub> EDTA	Plasma	0.20 to 75.45	µg/ml
87	Exemestane	K <sub>2</sub> EDTA	Plasma	0.20 to 100.61	ng/mL

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88	Ezetimibe	K <sub>2</sub> EDTA	Plasma	50.09 to 17958.33	pg/mL
89	Total Ezetimibe (Ezetimibe + Ezetimibe Glucuronide)	F K <sub>2</sub> EDTA	Plasma	0.50 to 500.71	ng/mL
90	Famotidine	K <sub>3</sub> EDTA	Plasma	2.05 to 351.33	ng/mL
91	Febuxostat	K <sub>2</sub> EDTA	Plasma	56.392 to 14821.50	ng/mL
92	Felodipine	K <sub>2</sub> EDTA	Plasma	0.15 to 31.25	ng/mL
93	Fenofibric acid	K <sub>3</sub> EDTA	Plasma	57.13 to 16327.95 52.17 to 15016.56	ng/mL
94	Fexofenadine	K <sub>3</sub> EDTA	Plasma	5.02 to 1500.51	ng/mL
95	Fluoxetine	K <sub>2</sub> EDTA	Plasma	0.20 to 144.15	ng/mL
96	Flupirtine & Acetylated Flupirtine	K <sub>2</sub> EDTA	Plasma	10.8660 to 3003.5880 & 5.2120 to 1440.8480	ng/mL
94	Fosfomycin	K <sub>2</sub> EDTA	Plasma	106.462 to 75429.832	ng/mL
96	Gabapentin	K <sub>2</sub> EDTA	Plasma	134.32 to 19767.34	ng/mL
97	Gliclazide	K <sub>2</sub> EDTA	Plasma	10.01 to 8026.11	ng/mL
98	Glimepiride	K <sub>2</sub> EDTA	Plasma	5.0580 to 497.614	µg/mL
99	Glipizide	K <sub>2</sub> EDTA	Plasma	10.0780 to 2523.5740	ng/mL
100	Glyburide	K <sub>2</sub> EDTA	Plasma	0.85 to 216.43	ng/mL
101	Gold	K <sub>2</sub> EDTA	Plasma	5.11 to 1018.98	ng/mL
	Guaiphenesin	K <sub>3</sub> EDTA K <sub>2</sub> EDTA	Plasma	1.07 to 522.28 0.0113 to 06.13	ng/mL µg/mL
102	Hydrochlorothiazide (Lower CC range)	K <sub>3</sub> EDTA	Plasma	0.25 to 80.40	ng/mL
103	Hydrochlorothiazide (Higher CC range)	K <sub>3</sub> EDTA	Plasma	2.01 to 352.58	ng/mL
104	Hydrocortisone	K <sub>2</sub> EDTA	Plasma	3.99 to 1018.38	ng/mL
105	Hydroxyzine	K <sub>2</sub> EDTA	Plasma	0.31 to 156.90	ng/mL
106	Ibuprofen	K <sub>2</sub> EDTA	Plasma	299.65 to 118233.91	ng/mL
107	(R)-Ibuprofen & (S)-Ibuprofen Isomers	K <sub>2</sub> EDTA	Plasma	0.25 to 44.81 0.25 to 45.17	µg/mL
	Imipramine	K <sub>3</sub> EDTA	Plasma	0.25 to 95.27	ng/mL
108	Indapamide (Higher CC range)	K <sub>3</sub> EDTA	Blood	0.33 to 42.29	ng/mL
	Indapamide (Lower CC range)	K <sub>3</sub> EDTA	Blood	1.57 to 750.92	ng/mL
109	Irbesartan	K <sub>2</sub> EDTA	Plasma	45.82 to 10052.54	ng/mL
110	Total Iron & Transferrin Iron	-	Serum	2.50 to 359.78	µg/mL
111	Ivermectin (Higher CC range)	K <sub>2</sub> EDTA	Plasma	0.69 to 149.10	ng/mL
112	Ivermectin (Lower CC range)	K <sub>2</sub> EDTA	Plasma	0.20 to 50.76	
113	Ketorolac tromethamine	K <sub>3</sub> EDTA	Plasma	10.95 to 2095.61	ng/mL
114	Labetalol	K <sub>3</sub> EDTA	Plasma	3.3720 to 701.3040	ng/mL

Sl.No	Molecule Name	Anticoagulant	Matrix	CC Concentration	
				Range	Unit
115	Lamivudine and Abacavir	K <sub>2</sub> EDTA	Plasma	22.26 to 7603.95 & 48.21 to 16468.29	ng/mL
116	Lamivudine and Nevirapine	K <sub>3</sub> EDTA	Plasma	19.72 to 2939.60 & 40.06 to 5971.79	ng/mL
117	Lamotrigine	K <sub>2</sub> EDTA	Plasma	9.46 to 4474.06	ng/ml
118	Lansoprazole	K <sub>3</sub> EDTA	Plasma	4.12 to 2239.00	ng/mL
119	Lanthanum	K <sub>2</sub> EDTA	Plasma	50.01 to 5000.00	pg/mL
120	Lercanidipine (R Lercanidipine S Lercanidipine)	K <sub>2</sub> EDTA	Plasma	0.10 to 15.11 0.10 to 15.01	ng/mL
121	Letrozole	K <sub>3</sub> EDTA	Plasma	0.92 to 367.03	ng/mL
122	Levetiracetam	K <sub>3</sub> EDTA	Plasma	144.47 to 25944.45	ng/mL
123	Levothyroxin	-	Human Serum	20.2713 to 249.5968	ng/mL
124	Levofloxacin	K <sub>3</sub> EDTA	Plasma	144.41 to 30040.31	ng/mL
125	Levonorgestrel (Higher CC range)	K <sub>2</sub> EDTA	Plasma	0.20 to 70.052	ng/mL
	Levonorgestrel (Low CC range)	K <sub>2</sub> EDTA	Plasma	20.31 to 10673.02	pg/ml
126	Linagliptin	K <sub>2</sub> EDTA	Plasma	50.15 to 12046.96	pg/mL
127	Lisinopril	K <sub>2</sub> EDTA	Plasma	1.09 to 498.68	ng/mL
128	Lithium	K <sub>2</sub> EDTA	Plasma	58.67to 6022.51	ng/mL
129	Loperamide	K <sub>2</sub> EDTA	Plasma	25.85 to 5063.92	pg/ml
130	Loperamide & N-Desmethyl Loperamide	K <sub>2</sub> EDTA	Plasma	25.13 to 5106.37 & 49.22 to 10001.45	pg/ml
131	Loratadine & Desloratadine	K <sub>2</sub> EDTA	Plasma	0.076 to 25.05 0.076 to 25.45	ng/mL
132	Losartan	K <sub>2</sub> EDTA	Plasma	10.92 to 2019.88	ng/mL
133	Losartan carboxylic acid	K <sub>2</sub> EDTA	Plasma	12.87 to 2379.66	ng/mL
134	Lumefantrine	K <sub>3</sub> EDTA	Plasma	0.21 to 24.09	µg/mL
135	Lurasidone	K <sub>2</sub> EDTA	Plasma	0.30 to 300.22	ng/mL
136	Lurasidone & its metabolite	K <sub>3</sub> EDTA	Plasma	1.00 to 140.60 & 0.10 to 30.37	ng/mL
137	Mefenamic Acid	K <sub>3</sub> EDTA	Plasma	81.94 to 10246.69	ng/mL
138	Memantine Hcl	K <sub>2</sub> EDTA	Plasma	0.26 to 246.23	ng/mL
139	Metformin	K <sub>3</sub> EDTA	Plasma	11.25 to 4601.81	ng/mL
140	Metoclopramide	K <sub>2</sub> EDTA	Plasma	0.53 to 201.07	ng/mL
141	Metoprolol	K <sub>2</sub> EDTA	Plasma	0.61 to 793.65	ng/mL
142	Metronidazole	K <sub>2</sub> EDTA	Plasma	0.11 to 40.68	µg/mL
143	Metronidazole & Tetracycline	K <sub>2</sub> EDTA	Plasma	103.73 to 40089.57 10.33 to 3994.51	ng/mL ng/mL
144	Meloxicam	K <sub>2</sub> EDTA	Plasma	10.09 to 3002.96	ng/mL
145	Mesalamine	K <sub>2</sub> EDTA	Plasma	1.10 to 3023.78	ng/mL
146	N-Acetyl Mesalamine	K <sub>2</sub> EDTA	Plasma	4.95 to 5782.23	ng/mL
147	Metaxalone	K <sub>2</sub> EDTA	Plasma	25.006 to 5991.428	ng/mL
148	Methimazole	K <sub>2</sub> EDTA	Plasma	2.0820 to 1001.6260	ng/mL
149	Mirabegron	K <sub>2</sub> EDTA plasma	Plasma	0.12 to 60.02	ng/mL



Sl.No	Molecule Name	Anticoagulant	Matrix	CC Concentration	
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150	Mirtazapine	K <sub>3</sub> EDTA	Plasma	0.56 to 194.15	ng/mL
151	Misoprostol Acid	K <sub>3</sub> EDTA	Plasma	10.08 to 895.83	pg/mL
152	Montelukast	K <sub>3</sub> EDTA	Plasma	5.00 to 1011.30	ng/mL
153	Mycophenolic acid	K <sub>2</sub> EDTA	Plasma	51.92 to 39381.96	ng/ml
154	Mycophenolate Mofetil	K <sub>2</sub> EDTA	Plasma	22.34 to 4156.99	pg/ml
155	Naltrexone	K <sub>2</sub> EDTA Rabbit plasma	Plasma	0.28 to 97.95	ng/mL
156	Naproxen	K <sub>2</sub> EDTA	Plasma	771.51 to 74841.21	ng/mL
157	Nefopam	K <sub>2</sub> EDTA	Plasma	0.4080 to 100.5680	ng/mL
158	Nevirapine	K <sub>3</sub> EDTA	Plasma	24.56 to 5211.81	ng/mL
159	Niacin and Nicotinic acid	K <sub>2</sub> EDTA	Plasma	19.2140 to 4529.2500 & 19.6780 to 6187.7900	ng/mL
160	Nifedipine	K <sub>3</sub> EDTA	Plasma	0.58 to 139.92	ng/mL
161	Nisoldipine	K <sub>2</sub> EDTA	Plasma	51.14 to 15336.21	pg/mL
162	Nitrofurantoin	K <sub>2</sub> EDTA	Plasma	5.022 to 2865.166	ng/mL
		K <sub>3</sub> EDTA	Plasma	4.99 to 2973.60	ng/mL
163	Nitroglycerin and its Metabolites – 1, 2-Dinitroglycerin and 1, 3-Dinitroglycerin	K <sub>2</sub> EDTA	Plasma	41.13 to 8023.10, 52.09 to 10160.00 & 52.09 to 10160.00	pg/ml
164	Nizatadine	K <sub>2</sub> EDTA	Plasma	0.02 to 8.03	µg/ml
165	Norethindrone	K <sub>3</sub> EDTA	Plasma	0.16 to 34.97	ng/mL
	Norethindrone	K <sub>2</sub> EDTA	Plasma	0.16 to 34.81	ng/mL
166	Norgestimate (Levonorgestrel Oxime or Norelgestromin)	K <sub>2</sub> EDTA	Plasma	50.40 to 10862.35	pg/mL
167	Omega 3 fatty acid (EPA & DHA acid)	K <sub>2</sub> EDTA	Plasma	1.00 to 1521.26 & 1.01 to 3020.58	ng/mL
168	Omega 3 fatty acid (EPA & DHA Total Lipids)	K <sub>2</sub> EDTA	Plasma	4.03 to 399.28 8.10 to 801.22	µg/ml
169	Olanzapine	K <sub>2</sub> EDTA	Plasma	0.30 to 31.90	ng/mL
170	Olanzapine & Fluoxetine	K <sub>2</sub> EDTA	Plasma	0.30 to 32.21 0.20 to 146.14	ng/mL
171	Omeprazole	K <sub>2</sub> EDTA	Plasma	5.07 to 2504.83	ng/mL
172	Orphanedrine	K <sub>2</sub> EDTA	Plasma	2.03 to 1508.03	ng/mL
173	Oxcarbazepine & 10-hydroxy oxcarbazepine (Lower CC Range)	K <sub>2</sub> EDTA	Plasma	10.24 to 5045.35 & 50.83 to 25048.84	ng/mL
	Oxcarbazepine & 10-hydroxy oxcarbazepine (Higher CC Range)			30.87 to 15169.57 51.08 to 25105.43	
174	Oxybutynin & N-Desethyl Oxybutynin	K <sub>3</sub> EDTA	Plasma	0.09 to 19.64 & 0.36 to 73.45	ng/mL
175	Paliperidone	K <sub>2</sub> EDTA	Plasma	0.2000 to 100.456	ng/mL
176	Pantoprazole	K <sub>2</sub> EDTA	Plasma	25.022 to 5992.264	ng/mL
177	Paracetamol	K <sub>3</sub> EDTA	Plasma	74.19 to 57691.77	ng/mL
	Paracetamol	K <sub>2</sub> EDTA	Plasma	79.20 to 59948.50	ng/mL
	Paracetamol	K <sub>2</sub> EDTA	Plasma	48.6880 to	ng/mL

Sl.No	Molecule Name	Anticoagulant	Matrix	CC Concentration	
				Range	Unit
				15682.2720	
178	Paroxetine	K <sub>2</sub> EDTA	Plasma	0.15 to 40.15	ng/mL
179	Perindopril	K <sub>3</sub> EDTA	Plasma	0.30 to 80.86	ng/mL
180	Pomolidomide	K <sub>2</sub> EDTA	Plasma	1.99 to 199.838	ng/mL
181	Pravastatin	K <sub>2</sub> EDTA	Plasma	1.87 to 1205.56	ng/mL
182	Prednisone & Prednisolone	K <sub>2</sub> EDTA	Plasma	0.50 to 108.12 / 4.95 to 1057.59	ng/mL
183	Pregabalin	K <sub>2</sub> EDTA	Plasma	52.76 to 15182.19	ng/mL
184	Progesterone	K <sub>2</sub> EDTA	Plasma	0.40 to 122.52	ng/mL
185	Phenoxybenzamine	K <sub>2</sub> EDTA	Plasma	0.0253 to 32.10	ng/ml
186	Cis-Phytonodione & Trans-Phytonodione	K <sub>2</sub> EDTA	Plasma	0.2780 to 204.7140 & 0.2720 to 201.8300	ng/mL
187	Pimozide	K <sub>2</sub> EDTA	Plasma	44.65 to 5040.35	pg/mL
188	Pioglitazone & Hydroxy Pioglitazone	K <sub>3</sub> EDTA	Plasma	6.23 to 3004.04 & 3.12 to 1502.91	ng/mL
189	Piroxicam	K <sub>2</sub> EDTA	Plasma	58.12 to 6117.70	ng/mL
190	Pitavastatin	K <sub>2</sub> EDTA	Plasma	0.20 to 200.00	ng/mL
191	Pseudoephedrine	K <sub>3</sub> EDTA	Plasma	4.13 to 415.06	ng/mL
192	Pramipexole	K <sub>2</sub> EDTA	Plasma	20.24 to 3932.44	pg/mL
193	Primaquine	K <sub>2</sub> EDTA	Plasma	0.5040 to 249.5420	µg/mL
194	Propatyl Nitrate	K <sub>2</sub> EDTA	Plasma	0.10 to 30.00	ng/mL
195	Propafenone & 5 Hydroxy Propafenone	K <sub>2</sub> EDTA	Plasma	2.71 to 944.35 & 1.83 to 636.35	ng/mL
196	Pyridyl Acetic acid (Betahistine metabolite)	K <sub>2</sub> EDTA	Plasma	3.04 to 2001.19	ng/mL
197	Pyrimethamine	K <sub>3</sub> EDTA	Plasma	0.0624 to 5.2832	µg/mL
198	Quetiapine	K <sub>2</sub> EDTA	Plasma	1.84 to 2831.80	ng/mL
199	Rabeprazole	K <sub>2</sub> EDTA	Plasma	10.05 to 4006.05	ng/mL
200	Ranolazine	K <sub>2</sub> EDTA	Plasma	10.0080 to 6031.8820	ng/mL
201	Ramipril	Na Heparin	Plasma	0.30 to 30.15	ng/mL
202	Ramiprilat	Na Heparin	Plasma	0.49 to 230.21	ng/mL
203	Ranitidine	K <sub>2</sub> EDTA	Plasma	9.88 to 3934.50	ng/mL
204	Repaglinide	K <sub>2</sub> EDTA	Plasma	0.2240 to 100.3740	ng/mL
205	Rifabutin	K <sub>3</sub> EDTA	Plasma	3.40 to 695.45	ng/ml
206	Rifampin	K <sub>3</sub> EDTA	Plasma	0.20 to 26.77	µg/ml
207	Riluzole	K <sub>2</sub> EDTA	Plasma	2.47 to 552.70	ng/mL
208	Ritonavir	K <sub>2</sub> EDTA	Plasma	1.00 to 1500	ng/mL
209	Rosuvastatin (Lower CC range)	K <sub>2</sub> EDTA	Plasma	0.08 to 50.43	ng/mL
	Rosuvastatin (Higher CC range)	K <sub>2</sub> EDTA	Plasma	0.20 to 201.35	ng/mL
210	Salbutamol (Albuterol)	K <sub>3</sub> EDTA	Plasma	0.1080 to 24.9780	ng/mL
211	Sarpogrelate	K <sub>3</sub> EDTA	Plasma	1.34 to 827.81	ng/ml
212	Sertraline	K <sub>2</sub> EDTA	Plasma	1.0080 to 100.8720	ng/ml



Sl.No	Molecule Name	Anticoagulant	Matrix	CC Concentration	
				Range	Unit
213	Simvastatin	K <sub>2</sub> EDTA	Plasma	0.08 to 70.58	ng/ml
214	Simvastatin Acid	K <sub>2</sub> EDTA	Plasma	0.25 to 75.31	ng/ml
215	Sodium phenyl butyrate	K <sub>2</sub> EDTA	Plasma	0.8968 to 636.7057	µg/ml
216	Stavudine	K <sub>3</sub> EDTA	Plasma	10.87 to 1620.29	ng/mL
217	Strontium	K <sub>2</sub> EDTA	Plasma	562.50 to 50,000	ng/mL
218	Sulfadoxine	K <sub>3</sub> EDTA	Plasma	10.0710 to 486.3365	µg/ml
219	Tadalafil	K <sub>3</sub> EDTA	Plasma	2.47 to 1213.75	ng/mL
220	Tacrolimus	K <sub>3</sub> EDTA	Whole Blood	0.5060 to 101.3440	ng/mL
221	Tamsulosin	K <sub>3</sub> EDTA	Plasma	0.12 to 37.49 & 0.11 to 39.47	ng/mL
222	Telmisartan	K <sub>2</sub> EDTA	Plasma	2.12 to 1105.80 1.00 to 1500	ng/mL
	Telmisartan	K <sub>3</sub> EDTA	Plasma	2.17 to 1004.89	ng/mL
223	Temozolomide	Na Heparin	Plasma	101.51 to 25176.80	ng/mL
224	Tenofovir	K <sub>3</sub> EDTA	Serum	10.38 to 1080.39	ng/ml
225	Teriflunomide	K <sub>2</sub> EDTA	Plasma	54.15 to 26408.52	ng/ml
226	Thiocolchicoside	K <sub>2</sub> EDTA	Plasma	54.15 to 26408.52	pg/mL
227	Tianeptine	Na Heparin	Plasma	5.03 to 2070.03	ng/ml
228	Ticagrelor & Deshydroxy ethoxy Ticagrelor	K <sub>2</sub> EDTA	Plasma	2.488 to 1203.496 1.036 to 500.674	ng/ml
229	Tolcapone	K <sub>2</sub> EDTA	Plasma	10.09 to 5045.93	ng/ml
230	Tolterodine & its Metabolite 5-Hydroxy methyl Tolterodine	K <sub>2</sub> EDTA	Plasma	39.136 to 10181.424 & 38.468 to 10008.108	pg/mL
231	Topiramate	K <sub>2</sub> EDTA	Plasma	9.05 to 15006.82	ng/ml
232	Tramadol	K <sub>3</sub> EDTA	Plasmas	0.99 to 264.45	ng/mL
233	Trazadone	K <sub>2</sub> EDTA	Plasma	25.44 to 3497.1280	ng/ml
234	Trimetazidine	K <sub>3</sub> EDTA	Plasma	1.51 to 249.79	ng/mL
235	Trimethoprim	K <sub>3</sub> EDTA	Plasma	22.40 to 3111.68	ng/mL
236	Trospium	K <sub>3</sub> EDTA	Plasma	0.05 to 13.29	ng/mL
237	Ursodiol & its Metabolites acid Tauroursodeoxycholic Glycoursodeoxycholic acid	K <sub>3</sub> EDTA	Plasma	99.88 to 15006.70, 10.27 to 1544.06 & 100.12 to 15051.97	ng/mL
238	Valsartan and Hydrochlorothiazide	K <sub>3</sub> EDTA	Plasma	58.01 to 23148.58 & 2.01 to 352.58	ng/mL
239	Vardenafil	K <sub>2</sub> EDTA	Plasma	0.10 to 50.86	ng/mL
240	Verapamil	K <sub>3</sub> EDTA	Plasma	0.54 to 243.80	ng/mL
241	Vitamin D <sub>3</sub> (Cholecalciferol)	K <sub>2</sub> EDTA	Plasma	0.52 to 100.50	ng/mL
242	Voriconazole	K <sub>2</sub> EDTA	Plasma	10.06 to 5012.10	ng/mL
243	Ziprasidone	K <sub>3</sub> EDTA	Plasma	0.298 to 200.198	ng/mL
244	Zidovudine	K <sub>3</sub> EDTA	Plasma	25.0420 to 4111.4640	ng/mL
245	Zolmitriptan and its metabolite (N-Desmethyl Zolmitriptan)	K <sub>2</sub> EDTA	Plasma	100.14 to 30288.16 & 200.30 to 40304.71	pg/mL

Sl.No	Molecule Name	Anticoagulant	Matrix	CC Concentration	
				Range	Unit
247	Zolpidem (Higher CC range)	K <sub>2</sub> EDTA	Plasma	1.01 to 503.74	ng/mL
	Zolpidem (Higher CC range)	K <sub>3</sub> EDTA	Plasma	2.10 to 293.67	ng/mL
	Zolpidem (Lower CC range)	K <sub>3</sub> EDTA	Plasma	0.50 to 200.82	ng/mL
248	25-Hydroxy cholecalciferol (Calcifediol)	N/AP	Human Serum	5.076 to 100.084	ng/mL
249	Piribedil	K <sub>2</sub> EDTA	Plasma	0.100 to 10.02	ng/mL
250	Piribedil	K <sub>2</sub> EDTA	Plasma	0.0200 to 20.2840	ng/mL
251	Riociguat	K <sub>2</sub> EDTA	Plasma	2.0060 to 199.7040	ng/mL
252	Bicalutamide	K <sub>2</sub> EDTA	Plasma	10.0180 to 4994.4280	ng/mL
253	Orlistat (fat contain Food / Feces)	N/AP	Food/Feces	2%	g
254	Acetazolamide	K <sub>2</sub> EDTA	Plasma	50.5100 to 11101.0500	ng/mL
255	Posaconazole	K <sub>2</sub> EDTA	Plasma	2.0380 to 2027.0120	ng/mL
256	Dapagliflozin	K <sub>2</sub> EDTA	Plasma	2.0080 to 297.8620	ng/mL
257	Diltiazem & Metabolites N-Desacetyl Diltiazem N-Desmethyl Diltiazem	K <sub>2</sub> EDTA	Plasma	3.7980 to 297.8620 0.5120 to 102.6840 1.0500 to 211.1060	ng/mL
258	Empagliflozin	K <sub>2</sub> EDTA	Plasma	10.1720 to 3057.6060	ng/mL
259	Pirfenidone	K <sub>2</sub> EDTA	Plasma	0.2012 to 20.0759	µg/mL
260	Dextrophan & Metabolite (Dextromethorphan)	K <sub>2</sub> EDTA	Plasma	50.1640 to 3531.6820 200.7180 to 14131.1200	pg/mL
261	Roxithromycin	K <sub>2</sub> EDTA	Plasma	0.3117 to 17.4022	µg/mL
262	Ivabradine & Metabolite (N-Desmethyl Ivabradine)	K <sub>2</sub> EDTA	Plasma	1.1820 to 100.0480 0.2020 to 17.1280	ng/mL
263	Cefixime	K <sub>2</sub> EDTA	Plasma	50.1680 to 4554.6980	ng/mL
264	Disodium Edetate (EDTA)	Sodium Heparin	Plasma	0.0401 to 15.0072	µg/mL
265	Sulbactam	Sodium Heparin	Plasma	100.0260 to 10094.1120	ng/mL

# **LIST OF METHODS UNDER DEVELOPMENT**

1. Sucroferic acid
2. Risedronate
3. Aceclofenac and its metabolites
4. Mebeverine and its metabolites
5. Nicotine
6. Isosorbid-3-monohydrate
7. Nifurtimox
8. Pyridoxine and metabolite(s)
9. Ceftriaxone