

LIST OF VALIDATED BIO ANALYTICAL METHODS FOR VARIOUS MOLECULES



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Science with ethics

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S.No.	Molecule Name	Anticoagulant	Matrix	LLOQ Concentration	
				Concentration	Unit
1	Allopurinol and it's metabolite	K ₃ EDTA	Plasma	0.1000	ng/mL
				0.1462	ng/mL
2	Amoxicillin	K ₃ EDTA	Plasma	0.1498	ng/mL
3	Anastrozole	K ₃ EDTA	Plasma	0.2354	ng/mL
4	Artemether	K ₃ EDTA	Plasma	1.7420	ng/mL
5	Asenapine	K ₂ EDTA	Plasma	0.1720	ng/mL
6	Atomoxetine Hydrochloride	K ₃ EDTA	Plasma	1.0198	ng/mL
7	Atorvastatin	K ₃ EDTA	Plasma	3.1361	ng/mL
8	Azithromycin	K ₃ EDTA	Plasma	4.0240	ng/mL
9	Azithromycin / Erythromycin	K ₃ EDTA	Plasma	5.0807	ng/mL
10	Benazepril	K ₃ EDTA	Plasma	5.2900	ng/mL
11	Bumetanide	K ₃ EDTA	Plasma	0.3180	ng/mL
12	Budesonide	K ₃ EDTA	Plasma	0.0307	ng/mL
13	Caffeine	K ₂ EDTA	Plasma	10.0600	ng/mL
14	Cefpodoxime acid	K ₂ EDTA	Plasma	24.8740	ng/mL
15	Cefuroxime (Higher CC range)	K ₃ EDTA	Plasma	0.1051	µg/mL
16	Cefuroxime (Lower CC range)	K ₃ EDTA	Plasma	0.0728	µg/mL
17	Celecoxib	K ₂ EDTA	Plasma	6.3880	ng/mL
18	Ciprofloxacin	K ₂ EDTA	Plasma	10.6849	ng/mL
19	Clarithromycin	K ₃ EDTA	Plasma	20.6560	ng/mL
20	Clavulanic Acid	K ₃ EDTA	Plasma	0.0502	ng/mL
21	Clonazepam	K ₂ EDTA	Plasma	0.1140	ng/mL
22	Clopidogrel	K ₂ EDTA	Plasma	0.2220	ng/mL
23	Cyproterone Acetate	K ₂ EDTA	Plasma	0.1000	ng/mL
24	Disulfiram Metabolite (S-Methyl N, N-Diethyldithiocarbamate)	K ₂ EDTA	Plasma	0.2580	ng/mL
25	Donepezil	K ₂ EDTA	Plasma	0.2580	ng/mL
26	Diclofenac	K ₃ EDTA	Plasma	5.8700	ng/mL
27	Digoxin	K ₂ EDTA	Plasma	40.3360	pg/mL
28	Diflunisol	K ₃ EDTA	Plasma	0.1300	ng/mL
29	Drospirenone	K ₂ EDTA	Plasma	0.2560	ng/mL
30	Drotaverine Hydrochloride	K ₃ EDTA	Plasma	1.1161	ng/mL
31	Efavirez	K ₃ EDTA	Plasma	21.1800	ng/mL
32	Eletriptan	K ₃ EDTA	Plasma	0.2840	ng/mL
33	Emtricitabine, Efavirenz	K ₃ EDTA	Plasma	11.1960	ng/mL
34	Enalapril	K ₂ EDTA	Plasma	0.4281	ng/mL
35	Enalaprilat	K ₂ EDTA	Plasma	0.3338	ng/mL
36	Estradiol Metabolite (Estrone)	K ₂ EDTA	Plasma	5.8760	pg/mL
37	Ethinyl Estradiol	K ₂ EDTA	Plasma	2.2430	pg/mL
38	Ethyl Docosahexanoate and Ethyl Eicosapentanoate	K ₂ EDTA	Plasma	5.2260 & 5.1920	ng/mL
39	Ezetimibe	K ₂ EDTA	Plasma	0.4960	ng/mL
40	Famotidine	K ₃ EDTA	Plasma	2.0520	ng/mL

S.o	Molecule Name	Anticoagulant	Matrix	LLOQ Concentration	
				Concentration	Unit
41	Felodipine	K ₂ EDTA	Plasma	0.1500	ng/mL
42	Fenofibric acid	K ₃ EDTA	Plasma	57.1360	ng/mL
43	Fexofenadine	K ₃ EDTA	Plasma	5.3240	ng/mL
44	Gabapentin	K ₂ EDTA	Plasma	134.3420	ng/mL
45	Glyburide	K ₂ EDTA	Plasma	0.8540	ng/mL
46	Guaiphenesin	K ₃ EDTA	Plasma	1.0749	ng/mL
47	Hydrochlorothiazide (Lower CC range)	K ₃ EDTA	Plasma	0.2501	ng/mL
48	Hydrochlorothiazide (Higher CC range)	K ₃ EDTA	Plasma	2.0120	ng/mL
49	Ibuprofen	K ₂ EDTA	Plasma	299.6520	ng/mL
50	Imipramine	K ₃ EDTA	Plasma	0.2519	ng/mL
51	Indapamide	K ₃ EDTA	Blood	0.3358	ng/mL
52	Irbesartan	K ₂ EDTA	Plasma	49.8620	ng/mL
53	Ketorolac tromethamine	K ₃ EDTA	Plasma	10.9501	ng/mL
54	Labetalol	K ₃ EDTA	Plasma	3.1800	ng/mL
55	Lamivudine and Nevirapine	K ₃ EDTA	Plasma	19.7220 & 40.0660	ng/mL
56	Lansoprazole	K ₃ EDTA	Plasma	4.5170	ng/mL
57	Letrozole	Sodium Heparin	Plasma	1.3730	ng/mL
58	Levetiracetam	K ₃ EDTA	Plasma	144.4782	ng/mL
59	Levofloxacin	K ₃ EDTA	Plasma	144.4180	ng/mL
60	Levonorgestrel	K ₂ EDTA	Plasma	0.1000	ng/mL
61	Lumefantrine	K ₃ EDTA	Plasma	0.2106	µg/mL
62	Mefenamic Acid	K ₃ EDTA	Plasma	81.9420	ng/mL
63	Metformin	K ₃ EDTA	Plasma	11.2520	ng/mL
64	Metoprolol	K ₂ EDTA	Plasma	0.6100	ng/mL
65	Meloxicam	K ₂ EDTA	Plasma	10.0880	ng/mL
66	Mesalamine	K ₂ EDTA	Plasma	1.1967	ng/mL
67	N-Acetyl Mesalamine	K ₂ EDTA	Plasma	4.9060	ng/mL
68	Mirtazapine	K ₃ EDTA	Plasma	0.5620	ng/mL
68	Misoprostol Acid	K ₃ EDTA	Plasma	10.0880	pg/mL
69	Montelukast	K ₃ EDTA	Plasma	2.8520	ng/mL
70	Nifedipine	K ₃ EDTA	Plasma	0.5877	ng/mL
71	Nisoldipine	K ₂ EDTA	Plasma	50.000	pg/mL
72	Nitrofurantoin	K ₃ EDTA	Plasma	4.9800	ng/mL
73	Nitroglycerin and its Metabolites – 1, 2-Dinitroglycerin and 1, 3-Dinitroglycerin	K ₂ EDTA	Plasma	41.1340, 52.0900 & 52.0900	pg/ml
74	Norethindrone	K ₃ EDTA	Plasma	0.1608	ng/mL
75	Norgestimate (Levonorgestrel Oxime or Norelgestromin)	K ₂ EDTA	Plasma	50.4080	pg/mL
76	Omega 3 fatty acid (EPA & DHA Acid)	K ₂ EDTA	Plasma	115.4940 & 388.6800	ng/mL

	Molecule Name	Anticoagulant	Matrix	LLOQ Concentration	
				Concentration	Unit
77	Omeprazole	K ₃ EDTA	Plasma	5.7953	ng/mL
78	Orphanedrine	K ₂ EDTA	Plasma	2.0360	ng/mL
79	Oxcarbazepine	K ₃ EDTA	Plasma	56.7620	ng/mL
80	Oxybutynin & N-Desethyl Oxybutynin	K ₃ EDTA	Plasma	0.1020 & 0.3440	ng/mL
81	Paracetamol	K ₃ EDTA	Plasma	0.5281	µg/mL
82	Paracetamol	K ₂ EDTA	Plasma	76.2440	ng/mL
83	Perindopril	K ₃ EDTA	Plasma	0.3024	ng/mL
84	Phytonadione	K ₃ EDTA	Plasma	1.0440	ng/mL
85	Pimozide	K ₂ EDTA	Plasma	44.6540	pg/mL
86	Pioglitazone & Hydroxy Pioglitazone	K ₃ EDTA	Plasma	5.8796 & 3.0659	ng/mL
87	Pitavastatin	K ₂ EDTA	Plasma	56.0000	pg/mL
88	Pramipexole	K ₂ EDTA	Plasma	20.2400	pg/mL
89	Propatyl Nitrate	K ₂ EDTA	Plasma	0.1000	ng/mL
90	Quetiapine	K ₂ EDTA	Plasma	1.8440	ng/mL
91	Rabeprazole	K ₂ EDTA	Plasma	2.4420	ng/mL
92	Ramipril	Sodium Heparin	Plasma	0.5333	ng/mL
93	Ramiprilat	Sodium Heparin	Plasma	0.4931	ng/mL
94	Ranitidine	K ₂ EDTA	Plasma	9.8860	ng/mL
95	Rifabutin	K ₃ EDTA	Plasma	3.4049	ng/ml
96	Rifampin	K ₃ EDTA	Plasma	0.2059	ng/ml
97	Riluzole	K ₂ EDTA	Plasma	2.4760	ng/mL
98	Rosuvastatin	K ₂ EDTA	Plasma	0.0500	ng/mL
99	Salbutamol	K ₃ EDTA	Plasma	0.1150	ng/mL
100	Sarpogrelate	K ₃ EDTA	Plasma	1.3411	ng/ml
101	Sodium phenyl butyrate	K ₂ EDTA	Plasma	0.2764	ng/mL
102	Stavudine	K ₃ EDTA	Plasma	10.8720	ng/mL
103	Tamsulosin	K ₃ EDTA	Plasma	0.1215	ng/mL
104	Telmisartan	K ₂ EDTA	Plasma	2.2131	ng/mL
105	Temozolomide	Sodium Heparin	Plasma	101.5120	ng/mL
106	Tenofovir	K ₃ EDTA	Serum	10.3820	ng/ml
107	Tramadol	K ₃ EDTA	Plasma	0.9917	ng/mL
108	Trimetazidine	K ₃ EDTA	Plasma	1.5120	ng/mL
109	Trimethoprim	K ₃ EDTA	Plasma	22.4041	ng/mL
1110	Trospium	K ₃ EDTA	Plasma	0.0560	ng/mL
111	Ursodiol & its Metabolites	K ₃ EDTA	Plasma	25.8860	ng/mL
	Tauroursodeoxycholic acid			2.6860	
	Glycoursodeoxycholic acid			25.4480	
112	Valsartan and Hydrochlorothiazide	K ₃ EDTA	Plasma	58.0180 2.0120	ng/mL
113	Verapamil	K ₃ EDTA	Plasma	0.5486	ng/mL
114	Vitamin D ₃ (Cholecalciferol)	K ₂ EDTA	Plasma	0.2500	ng/mL

	Molecule Name	Anticoagulant	Matrix	LLOQ Concentration	
				Concentration	Unit
115	Zolmitriptan and its metabolite (N-Desmethyl Zolmitriptan)	K ₂ EDTA	Plasma	100.1460 and 200.3090	pg/mL
116	Zolpidem (Higher CC range)	K ₃ EDTA	Plasma	2.1020	ng/mL
117	Zolpidem (Lower CC range)	K ₃ EDTA	Plasma	0.5000	ng/mL