

Validated  
Bioanalytical  
Methods\*



(\*The bioanalytical methods enlisted here are sole property of InrexTest's research partners)

**LIST OF VALIDATED BIOANALYTICAL ASSAYS**

S.No	Compound (Metabolite)	Bio analytical Assay	Sample Volume	Calibration Range	Biological Matrix	Anticoagulant	Instrument Model
1.	6MNA (Metabolite of Nabumetone)	LC-MS/MS	0.250	0.300 – 40 µg/mL	Human Plasma	K3EDTA	UPLC-Micromass
2.	Acetaminophen	LC-MS/MS	0.200	0.100 – 10.0 µg/mL	Human Plasma	K2EDTA	API -2000
3.	Acyclovir	LC-MS/MS	0.250	100 – 10000 ng/mL	Human Plasma	K2EDTA	API -2000
4.	Alfuzosin	LC-MS/MS	0.300	0.5 – 50 ng/mL	Human Plasma	K2EDTA	API -3200
5.	Ambroxol	HPLC/UV	0.500	15 – 500 ng/mL	Human Plasma	K3EDTA	
6.	Amiloride	HPLC/FLR	0.500	1 – 20 ng/mL	Human Plasma	K3EDTA	
7.	Amitriptyline	HPLC/UV	0.500	6 – 300 ng/mL	Human Plasma	K3EDTA	
8.	Amlodipine	LC-MS/MS	0.250	0.100 -20.000 ng/mL	Human Plasma	K3EDTA	API -4000
9.	Amlodipine	LC-MS/MS	0.500	0.1 -20 ng/ml	Human Plasma	K2EDTA	API -4000
10.	Aprepitant	LC-MS/MS	0.250	25 -5000 ng/ml	Human Plasma	K2EDTA	API -2000
11.	Armodafinil	LC-MS/MS	0.250	50-10000ng/mL	Human Plasma	K2EDTA	API -3200
12.	Atenolol	LC-MS/MS	0.250	10-2000 ng/mL	Human Plasma	K3EDTA	API -4000
13.	Atenolol	LC-MS/MS	0.200	1 – 1000 ng/mL	Human Plasma	K3EDTA	API -4000
14.	Atenolol	LC-MS/MS	0.500	2 – 4000 ng /mL	Human Plasma	K3EDTA	API -4000
15.	Atorvastatin	LC-MS/MS	0.250	0.500-150 ng/mL	Human Plasma	K3EDTA	API -4000
16.	Atorvastatin, 2-OH Ator, 4-OH Ator	LC-MS/MS	0.300	0.5 – 200 ng/mL, 0.5-200ng/mL & 0.5-200ng/mL	Human Plasma	K2EDTA & K3EDTA	API -4000
17.	Atorvastatin, 2-OH Ator, 4-OH Ator	LC-MS/MS	0.300	0.5 – 150 ng/mL, 0.5-150ng/mL & 0.25-75ng/mL	Human Plasma	K2EDTA & K3EDTA	API -4000
18.	Azithromycin	LC-MS/MS	0.250	2 – 500 ng/mL	Human Plasma	K3EDTA	API -2000
19.	Azithromycin	LC-MS/MS	0.250	3.0-500.0ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
20.	Balsalazide	LC-MS/MS	0.250	0.5 – 400 ng/mL	Human Plasma	K3EDTA	API -4000
21.	Balsalazide	LC-MS/MS	0.250	1 – 1000 ng/mL	Human Plasma	K3EDTA	API -4000
22.	Benzapril+Benzaprilat	LC-MS/MS	0.250	5-1000 ng/mL&10-2000 ng/mL	Human Plasma	K3EDTA	API -2000
23.	Benzonotate+4BABA	LC-MS/MS	0.200	100-6000 ng/mL&100-6000 ng/mL	Human Plasma	K3EDTA	API -2000
24.	Budesonide	HPLC/MS/MS	0.05		in dog plasma		
25.	Bupropion & Hydroxybupropion	LC-MS/MS	0.300	0.50 -200 & 0.250 - 1000 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
26.	Bupropion & Hydroxybupropion	LC-MS/MS	0.300	1.000-200 ng/mL& 3.000 -600 ng/mL	Human Plasma	K2EDTA	API -3200
27.	Bupropion + Hydroxy Bupropion	LC-MS/MS	0.300	0.500-200 ng/mL& 2.500 -1000 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
28.	Buspirone	LC-MS/MS	0.250	0.1-15 ng/mL	Human Plasma	K3EDTA	API -4000
29.	Buspirone & Metabolite	LC-MS/MS	0.250	0.1-40 ng/mL & 0.2-20 ng/mL	Human Plasma	K2EDTA	API -4000
30.	Candesartan	LC-MS/MS	0.300	4.0-800.0 ng/mL	Human Plasma	K2EDTA	API -2000
31.	Canrenone	LC-MS/MS	0.500	5 – 600 ng/mL	Human Plasma	K3EDTA	API -2000

S.No	Compound (Metabolite)	Bio analytical Assay	Sample Volume	Calibration Range	Biological Matrix	Anticoagulant	Instrument Model
32.	Captopril	HPLC/FLR	1.000	40 – 1200 ng/mL	Human Plasma	K3EDTA	
33.	Carbamazepine	LC-MS/MS	0.250	50–5000 ng/mL	Human Plasma	K3EDTA	API -2000
34.	Carbidopa & Levodopa	LC-MS/MS	0.500	5.000-300.000 & 35.000-2100ng/ml	Human Plasma	K3EDTA	API -4000
35.	Carvedilol	LC-MS/MS	0.500	0.5 – 100 ng/mL	Human Plasma	K3EDTA	API -4000
36.	Carvedilol & 4-hydroxy phenylcarvedilol	LC-MS/MS	0.500	0.25 -200.0 & 0.05 - 20.0 ng/mL	Human Plasma	K2EDTA	API -4000
37.	Carvedilol & Metabolite	LC-MS/MS	0.250	0.25 -200 & 0.5 -40 ng/ml	Human Plasma	K2EDTA	API -4000
38.	Carvedilol & Metabolite	LC-MS/MS	0.500	0.20 -200 & 0.1 -40 ng/ml	Human Plasma	K2EDTA	API -4000
39.	Cefprozil	LC-MS/MS	0.250	0.2–10 µg/mL	Human Plasma	K3EDTA	API -2000
40.	Cefprozil	LC-MS/MS	0.250	0.2–20 µg/mL	Human Plasma	K3EDTA	API -2000
41.	Cetirizine	LC-MS/MS	0.200	2.500 -300 ng/mL	Human Plasma	K3EDTA	API -2000
42.	Cetirizine	LC-MS/MS	0.300	4.000-600 ng/ml	Human Plasma	K3EDTA	API -2000
43.	Chlorpropamide	LC-MS/MS	0.200	0.5 – 50 µg/mL	Human Plasma	K3EDTA	API -2000
44.	Ciprofloxacin	HPLC/UV	0.500	50 – 6000 ng /mL	Human Plasma	K3EDTA	
45.	Citalopram	LC-MS/MS	0.250	1 – 150 ng/mL	Human Plasma	K3EDTA	API -4000
46.	Clonazepam	LC-MS/MS	0.500	0.5 – 200 ng/mL	Human Plasma	K3EDTA	API -4000
47.	Cyclosporine	LC-MS/MS	0.300	2.000 ng/mL to 1µg/mL	Whole blood	K2EDTA	UPLC- Micromass
48.	D-Methionine	HPLC/UV	0.100	1.5 – 200 µg/mL	Human Plasma	K3EDTA	
49.	Darifenacin	LC-MS/MS	0.500	50.0–8000 pg/mL	Human Plasma	K2EDTA	API -4000
50.	Dextrometharphan & Dextropha	LC-MS/MS	0.250	10–10000pg/mL	Human Plasma	K2EDTA	API -4000
51.	Diclofenac	HPLC/UV	0.500	10 -2000 ng/mL	Human Plasma	K3EDTA	
52.	Diclofenac	LC-MS/MS	0.250	30 -4000 ng/ml	Human Plasma	K3EDTA	API -2000
53.	Diclofenac	LC-MS/MS	0.250	30.0–4000.0 µg/mL	Human Plasma	K2EDTA	UPLC- Micromass
54.	Didanosine	LC-MS/MS	0.500	5 – 4000 ng/mL	Human Plasma	K3EDTA	API -3200
55.	Didanosine	LC-MS/MS	0.250	5 – 4000 ng/mL	Human Plasma	K3EDTA	API -3200
56.	Diltiazem	HPLC/UV	0.500	5 – 500 ng/mL	Human Plasma	K3EDTA	
57.	Diltiazem	LC-MS/MS	0.250	0.1 – 200 ng/mL	Human Plasma	K3EDTA	API -4000
58.	Diltiazem	LC-MS/MS	0.250	0.100-200 ng/ml	Human Plasma	K3EDTA	API -4000
59.	Dipyridamole	LC-MS/MS	0.250	20 – 2500 ng/mL	Human Plasma	K3EDTA	API -2000
60.	Domperidone	LC-MS/MS	0.250	0.1 – 20 ng/mL	Human Plasma	K3EDTA	API -4000
61.	Donepezil	LC-MS/MS	0.250	0.200 – 30 ng/mL	Human Plasma	K2EDTA	API -4000
62.	Doxorubicin+ Doxorubicinol	HPLC/FLR	0.500	5 – 100 ng/mL & 5 - 100 ng/mL	Human Plasma	K3EDTA	
63.	Doxycycline	HPLC/UV	0.500	100 – 4000 ng/mL	Human Plasma	K3EDTA	
64.	Doxycycline	HPLC/UV	0.500	250 – 5000 ng/mL	Human Plasma	K3EDTA	
65.	Doxycycline	LC-MS/MS	0.250	50 – 6000 ng/mL	Human Plasma	K3EDTA	API -2000
66.	Duloxetine	LC-MS/MS	0.500	0.5–150.0 ng/mL	Human Plasma	K2EDTA	API -3200
67.	Dutasteride	LC-MS/MS	0.500	0.1 -20 ng/ml	Human Plasma	K2EDTA	API -4000
68.	Dutasteride	LC-MS/MS	0.500	0.1 -20 ng/ml	Human Plasma	K2EDTA	API -4000
69.	Dutasteride	LC-MS/MS	0.500	0.1 -8.0 ng/ml	Human Plasma	K2EDTA	API -4000
70.	Efavirenz	HPLC/UV	0.500	25 – 6000 ng/mL	Human Plasma	K3EDTA	
71.	Encapsulated Doxorubicin	HPLC/FLR	0.250	0.5 – 100 µg/mL	Human Plasma	K3EDTA	
72.	Esomeprazole	HPLC/UV	0.500	5 – 2000 ng/mL	Human Plasma	K3EDTA	
73.	Esomeprazole	LC-MS/MS	0.250	0.5 – 100 ng/mL	Human Plasma	K3EDTA	API -2000
74.	Esomeprazole	LC-MS/MS	0.250	10 – 5000 ng/mL	Human Plasma	K3EDTA	API -2000
74	Ethionamide	LC-MS/MS	0.250	25 -5000 ng/ml	Human Plasma	K2EDTA	API -2000

S.No	Compound (Metabolite)	Bio analytical Assay	Sample Volume	Calibration Range	Biological Matrix	Anticoagulant	Instrument Model
75	Exemestane	LC-MS/MS	0.300	0.3 -40 ng/ml	Human Plasma	K2EDTA	API -3200
76	Ezetimibe (Free)	LC-MS/MS	0.250	0.05-10ng/mL	Human Plasma	K2EDTA	API -4000
77	Ezetimibe (Total)	LC-MS/MS	0.250	0.5-200 ng/mL	Human Plasma	K2EDTA	API -3200
78	Famotidine	LC-MS/MS	0.300	0.5 – 100 ng/mL	Human Plasma	K2EDTA	API -4000
79	Famotidine	LC-MS/MS	0.300	0.5 – 100 ng/mL	Human Plasma	K2EDTA	API -400
80	Felodipine	LC-MS/MS	0.250 0.1 -20 ng/ml		Human Plasma	K2EDTA	
81	Fenofibric Acid	HPLC/UV	0.500	200 – 16000 ng/mL	Human Plasma	K3EDTA	
82	Fenofibric Acid	LC-MS/MS	0.250	50-15000 ng/mL	Human Plasma	K3EDTA	API -2000
83	Fenofibric Acid	LC-MS/MS	0.250	0.1 – 20 µg/mL	Human Plasma	K3EDTA	API -2000
84	Fenofibric Acid	LC-MS/MS	0.250	0.1 – 20 µg/mL	Human Plasma	K2EDTA	API -2000
85	Fenofibric Acid	LC-MS/MS	0.300	0.1 – 20 µg/mL	Human Plasma	K2EDTA	UPLC- Micromass
86	Fexofenadine	LC-MS/MS	0.500	5 – 1000 ng/mL	Human Plasma	K3EDTA	API -2000
87	Fexofenadine	LC-MS/MS	0.500	5 – 1200 ng/mL	Human Plasma	K3EDTA	API -2000
88	Fexofenadine	LC-MS/MS	0.300	1.5-300 ng/mL	Human Plasma	K2EDTA	UPLC- Micromass
89	Finasteride	LC-MS/MS	0.300	0.100 -50.000 ng/mL	Human Plasma	K2EDTA	API -4000
90	Fluconazole	HPLC/UV	0.500	500 – 8000 ng/mL	Human Plasma	K3EDTA	
91	Fluoxetine	LC-MS/MS	0.250	1.5 – 50 ng/mL	Human Plasma	K3EDTA	API -2000
92	Fluvastatin	LC-MS/MS	0.250	1.000-500.000 ng/ml	Human Plasma	K3EDTA	API -4000
93	Fluvastatin	LC-MS/MS	0.250	1.000-250.000 ng/ml	Human Plasma	K3EDTA	API -4000
94	Fosinoprilat	LC-MS/MS	0.500	5 – 500 ng/mL	Human Plasma	K3EDTA	API -2000
95	Fosinoprilat	LC-MS/MS	0.300	5 – 1000 ng /mL	Human Plasma	K3EDTA	API -2000
96	Gabapentin	LC-MS/MS	0.350	50 – 10000 ng /mL	Human Plasma	K3EDTA	API -2000
97	Glimepiride	LC-MS/MS	0.500	2 – 500 ng /mL	Human Plasma	K3EDTA	API -2000
98	Glipizide	HPLC/UV	0.500	5 – 300 ng/mL	Human Plasma	K3EDTA	
99	Glipizide	LC-MS/MS	0.250	10-1600 ng/mL	Human Plasma	K3EDTA	API -2000
100	Glipizide	LC-MS/MS	0.250	2-600 ng/mL	Human Plasma	K3EDTA	API -2000
101	Granisetron	LC-MS/MS	0.250	0.1 – 20 ng/mL	Human Plasma	K3EDTA	API -4000
102	Griseofulvin	LC-MS/MS	0.250	20-3000.0 ng/mL	Human Plasma	K2EDTA	API -2000
103	Guaifenesin	LC-MS/MS	0.250	25 – 5000 ng/mL	Human Plasma	K2EDTA	API -3200
104	Guanfacine	LC-MS/MS	0.250	0.050-15.000ng/mL	Human Plasma	K2EDTA	API -4000
105	HCTZ	LC-MS/MS	0.300	1.0-200.0 ng/mL	Human Plasma	K2EDTA	API -3200
106	HCTZ	LC-MS/MS	0.250	2.0 – 300 ng/mL	Human Plasma	K2EDTA	API -3200
107	Hydrochloro Thiazide	HPLC/UV	0.500	20 – 300 ng/mL	Human Plasma	K3EDTA	
108	Hydrochloro Thiazide	HPLC/UV	0.500	5 – 400 ng /mL	Human Plasma	K3EDTA	
109	Hydrochloro Thiazide	LC-MS/MS	0.300	2 – 300 ng/mL	Human Plasma	K3EDTA	API -3200
110	Hydrocortisone	HPLC/UV	0.500	7.5 – 600 ng /mL	Human Plasma	K3EDTA	
111	Hyoscyamine	LC-MS/MS	0.250	0.050-4.000ng/ml	Human Plasma	K3EDTA	API -4000
112	Ibuprofen	LC-MS/MS	0.200	0.3- 30.0 µg/mL	Human Plasma	K3EDTA	API -2000
113	Imipramine	LC-MS/MS	0.250	0.500- 100.000ng/mL	Human Plasma	K2EDTA	API -3200
114	Irbesartan	LC-MS/MS	0.200	50 -6000 ng/ml	Human Plasma	K2EDTA	API -2000
115	Iron & Total bound Iron	ELISA-Reader	0.550	0.4-10.0 µg/mL	Human serum	-	ELISA
116	Isotretinoin	LC-MS/MS	0.250	3.0 – 1000 ng/mL	Human Plasma	K2EDTA	API -4000
117	Isotretinoin	LC-MS/MS	0.250	3 – 800 ng/mL	Human Plasma	K2EDTA	API -4000

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118	Isradipine	LC-MS/MS	0.250	0.05–10ng/mL	Human Plasma	K2EDTA	API -4000
119	Itopride	LC-MS/MS	0.250	4.000 – 1000 ng/mL	Human Plasma	K3EDTA	API -2000
120	Itraconazole	HPLC/FLR	1.000	5 – 300 ng/mL	Human Plasma	K3EDTA	
121	Itraconazole & Hydroxy Itraconazole	LC-MS/MS	0.300	2.0 -400.0 & 4.0 - 800.0ng/ml	Human Plasma	K2EDTA	API -3200
122	Ketoconazole	LC-MS/MS	0.250	50 – 5000 ng/mL	Human Plasma	K3EDTA	API -3200
123	Lamivudine	HPLC/UV	0.500	50 – 3000 ng/mL	Human Plasma	K3EDTA	
124	Lamivudine	HPLC/UV	0.500	50 – 6000 ng/mL	Human Plasma	K3EDTA	
125	Lamivudine	HPLC/UV	0.500	50 – 6000 ng/mL	Human Plasma	K3EDTA	
126	Lamivudine	LC-MS/MS	0.250	30 -4000 ng/ml	Human Plasma	K3EDTA	API -2000
127	Lamivudine + Zidovudine	LC-MS/MS	0.600	50 – 3000 ng/mL for both	Human Plasma	K3EDTA	API -2000
128	Lamivudine+Stavudine	LC-MS/MS	0.250	30–3000 ng/mL & 10-1000 ng/mL	Human Plasma	K3EDTA	API -3200
129	Lamivudine+Stavudine	LC-MS/MS	0.250	30–4000 ng/mL&15-2000 ng/mL	Human Plasma	K3EDTA	API -3200
130	Lamotrigine	HPLC/UV	0.500	20 – 4000 ng /mL	Human Plasma	K3EDTA	
131	Lansoprazole	HPLC/UV	0.500	25 – 3000 ng/mL	Human Plasma	K3EDTA	
132	Lansoprazole	LC-MS/MS	0.200	20 – 3000 ng/mL	Human Plasma	K2EDTA	API -2000
133	Leflunamide metabolite	LC-MS/MS	0.250	10 – 4000 ng/mL	Human Plasma	K2EDTA	API -2000
134	Levetiracetam	LC-MS/MS	0.250	0.2 – 40 µg/mL	Human Plasma	K3EDTA	API -3200
135	Levetiracetam	LC-MS/MS	0.250	0.2 – 30 µg/mL	Human Plasma	K2EDTA	API -3200
136	Levocetirizine	LC-MS/MS	0.250	4 -600 ng/ml	Human Plasma	K2EDTA	API -2000
137	Levofloxacin	LC-MS/MS	0.250	0.1 – 10µg/mL	Human Plasma	K3EDTA	API -2000
138	levonorgestrel	LC-MS/MS	0.250	0.500–100.0ng/mL	Human Plasma	K2EDTA	API -4000
139	Lisinopril	LC-MS/MS	0.250	1 – 200 ng/mL	Human Plasma	K3EDTA	API -4000
140	Lorazepam	LC-MS/MS	0.250	5 – 2500 ng/mL	Human Plasma	K3EDTA	API -4000
141	Losartan+Losartan corboxy acid	LC-MS/MS	0.500	4–600 ng/mL&4 - 600 ng/mL	Human Plasma	K3EDTA	API -4000
142	Losartan+Losartan corboxy acid	LC-MS/MS	0.250	10–1500 ng/mL& 10 -1500 ng/mL	Human Plasma	K2EDTA	API -3200
143	Lovastatin & Lovastatin acid	LC-MS/MS	0.500	0.150–25.0ng/mL	Human Plasma	K2EDTA	API -4000
144	Mebendazole	LC-MS/MS	0.300	0.5 – 100 ng/mL	Human Plasma	K3EDTA	API -2000
145	Medroxy progesterone acetate	LC-MS/MS	0.500	0.05–6.0ng/mL	Human Plasma	K2EDTA	API -4000
146	Mefenamic Acid	LC-MS/MS	0.250	20 -7000 ng/ml	Human Plasma	K2EDTA	API -2000
147	Mefenamic Acid	LC-MS/MS	50.000	50.000 -10000 ng/mL	Human Plasma	K2EDTA	API -2000
148	Meloxicam	HPLC/UV	0.500	100 – 4000 ng/mL	Human Plasma	K3EDTA	
149	Meloxicam	LC-MS/MS	0.200	10 – 2000 ng/mL	Beagledogs Plasma	K3EDTA	API -2000
150	Mesalamine & N-AC-5-ASA	HPLC/FLR	0.500	5.0–1000.0 ng/mL& 10.0-2000.0 ng/mL	Human Plasma	K3EDTA	
151	Mesalamine & N-AC-5-ASA	LC-MS/MS	0.500	5.0–1000.0 ng/mL& 10.0-2000.0 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
152	Mesalamine & N-AC-5-ASA	LC-MS/MS	0.500	5.0–3000.0 ng/mL& 7.5-4500.0 ng/mL	Human Plasma	K2EDTA	API -3200
153	Metaxalone	LC-MS/MS	0.500	10 – 4000 ng/mL	Human Plasma	K3EDTA	API -2000
154	Metaxalone	LC-MS/MS	0.300	100 – 10000 ng/mL	Human Plasma	K3EDTA	API -2000

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155	Metaxalone	LC-MS/MS	0.300	25 – 4000 ng/mL	Human Plasma	K3EDTA	API -2000
156	Metaxalone	LC-MS/MS	0.250	25 – 5000 ng/mL	Human Plasma	K2EDTA	API -2000
157	Metaxalone	LC-MS/MS	0.250	25 – 8000 ng/mL	Human Plasma	K2EDTA	API -2000
158	Metformin	HPLC/UV	0.500	100 – 5000 ng/mL	Human Plasma	K3EDTA	
159	Metformin	LC-MS/MS	0.250	15–2000ng/mL	Human Plasma	K3EDTA	API -3200
160	Methoxsalen	LC-MS/MS	0.250	1 – 200 ng/mL	Human Plasma	K2EDTA	API -4000
161	Methylphenidate	LC-MS/MS	0.250	0.100–25.0ng/mL	Human Plasma	K2EDTA	API -4000
162	Metoclopramide	LC-MS/MS	0.250	0.300–30.0ng/mL	Human Plasma	K2EDTA	API -3200
163	Metoprolol	HPLC/FLR	0.500	15 – 300 ng/mL	Human Plasma	K3EDTA	
164	Metoprolol	LC-MS/MS	0.250	0.5 – 200 ng/mL	Human Plasma	K3EDTA	API -4000
165	Metoprolol	LC-MS/MS	0.300	0.5 – 40 ng/mL	Human Plasma	K3EDTA	API -4000
166	Metoprolol	LC-MS/MS	0.300	1 – 200 ng/mL	Human Plasma	K3EDTA	API -3200
167	Metoprolol	LC-MS/MS	0.300	1.000-200 ng/ml	Human Plasma	K3EDTA	API -3200
168	Metoprolol	LC-MS/MS	0.300	2.000-400 ng/ml	Human Plasma	K3EDTA	API -3200
169	Midazolam	HPLC/UV	0.500	10 – 500 ng/mL	Human Plasma	K3EDTA	
170	Minocycline	HPLC/UV	0.500	25 – 2000 ng/mL	Human Plasma	K3EDTA	
171	Misoprostol acid	LC-MS/MS	1.000	0.010 -1.00ng/ml	Human Plasma	K3EDTA	API -4000
172	Montelukast	LC-MS/MS	0.300	2.0–800.0ng/mL	Human Plasma	K2EDTA	API -3200
173	Naproxen	LC-MS/MS	0.200	0.5 – 200 µg/mL	Human Plasma	K2EDTA	API -3200
174	Nefazodone	LC-MS/MS	0.650	2.5 – 800 ng/mL	Human Plasma	K3EDTA	API -4000
175	Nelfinavir	HPLC/UV	0.500	50 – 2000 ng/mL	Human Plasma	K3EDTA	
176	Nevirapine	LC-MS/MS	0.250	0.1 – 10 µg/mL	Human Plasma	K3EDTA	API -2000
177	Nevirapine	LC-MS/MS	0.200	50 – 6000 ng/mL	Human Plasma	K3EDTA	API -2000
178	Niacin	LC-MS/MS	0.250	20 – 5000 ng/mL	Human Plasma	K2EDTA	API -3200
179	Niacin	LC-MS/MS	0.250	5 – 2000 ng/mL	Human Plasma	K2EDTA	API -3200
180	Niacin & Nicotinuric acid	LC-MS/MS	0.250	20–5000ng/mL & 20– 5000ng/mL	Human Plasma	K2EDTA	API -3200
181	Niacin & Nicotinuric acid	LC-MS/MS	0.250	20–5000ng/mL & 20– 5000ng/mL	Human Plasma	NaF & (COOK)2	API -3200
182	Nifedipine	LC-MS/MS	0.250	0.5 – 200 ng/mL	Human Plasma	K3EDTA	API -4000
183	Nifedipine	LC-MS/MS	0.250	0.5 – 200 ng/mL	Human Plasma	K3EDTA	API -4000
184	Nifedipine	LC-MS/MS	0.250	0.5 – 200 ng/mL	Human Plasma	K2EDTA	API -4000
185	Nitrofurantoin	LC-MS/MS	0.250	10.0 -3000.0ng/mL	Human Plasma	K2EDTA	API -3200
186	Nortriptyline	HPLC/UV	0.500	3 – 200 ng/mL	Human Plasma	K3EDTA	
187	Ofloxacin	HPLC/FLR	0.500	100 – 7000 ng/mL	Human Plasma	K3EDTA	
188	Omeprazole	LC-MS/MS	0.250	10 – 4000 ng/mL	Human Plasma	K3EDTA	API -2000
189	Omeprazole	LC-MS/MS	0.250	10 – 4000 ng/mL	Human Plasma	K3EDTA	API -2000
190	Ondansetron	LC-MS/MS	0.250	0.200-90.00 ng/ml	Human Plasma	K3EDTA	API -4000
191	Ondansetron	LC-MS/MS	0.300	0.500-90.00 ng/mL	Human Plasma	K3EDTA	API -3200
192	Orphenadrine	LC-MS/MS	0.250	1.5–150.0ng/mL	Human Plasma	K2EDTA	API -3200
193	Oxcarbazepine	HPLC/UV	0.500	25 – 5000 ng/mL	Human Plasma	K3EDTA	
194	Oxcarbazepine & 10 mono hydroxy carbamazepine	LC-MS/MS	0.100	10–1500 ng/mL& 100-15000 ng/mL	Human Plasma	K3EDTA	API -2000
195	Oxcarbazepine & 10 mono hydroxy carbamazepine	LC-MS/MS	0.500	20–5000 ng/mL& 100-25000 ng/mL	Human Plasma	K3EDTA	API -2000
196	Oxcarbazepine & 10 mono hydroxy carbamazepine	LC-MS/MS	0.250	20–5000 ng/mL& 100-25000 ng/mL	Human Plasma	K3EDTA	API -3200
197	Paliperidone	LC-MS/MS	0.300	0.2–50.0 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass

S.No	Compound (Metabolite)	Bio analytical Assay	Sample Volume	Calibration Range	Biological Matrix	Anticoagulant	Instrument Model
198	Pantoprazole	LC-MS/MS	0.100	20 – 5000 ng/mL	Human Plasma	K2EDTA	API -2000
199	Pantoprazole	LC-MS/MS	0.500	3 – 4000 ng/mL	Human Plasma	K3EDTA	API -2000
200	Para hydroxy Atorvastatin	LC-MS/MS	0.250	0.250–50 ng/mL	Human Plasma	K3EDTA	API -4000
201	Paroxetine	LC-MS/MS	0.300	0.200–30.0ng/mL	Human Plasma	K2EDTA	API -4000
202	Perindopril & Perindoprilat	LC-MS/MS	0.250	1.000–200 ng/mL & 0.500 -50.000 ng/mL	Human Plasma	K2EDTA	API -4000
203	Phenoxybenzamine	LC-MS/MS	0.250	0.050–20ng/mL	Human Plasma	K2EDTA	API -4000
204	Phenyntoin	LC-MS/MS	0.500	20 – 4000 ng/mL	Human Plasma	K2EDTA	API -2000
205	Piroxicam	HPLC/UV	0.500	400 – 12000 ng/mL	Human Plasma	K3EDTA	
206	Potassium	ICP-MS	0.200	50 -2500 µg/mL	Urine	-	ICP-MS
207	Prazosin	HPLC/FLR	1.000	0.25 – 16 ng/mL	Human Plasma	K3EDTA	
208	Pregabalin	LC-MS/MS	0.250	25 – 15000 ng/mL	Human Plasma	K2EDTA	API -3200
209	Pregabalin	LC-MS/MS	0.250	25 – 4000 ng/mL	Human Plasma	K2EDTA	API -3200
210	Progesterone	LC-MS/MS	0.500	0.3–100 ng/mL	Human Plasma	K2EDTA	API -4000
211	Propafenone+ 5OH-Propafenone +Despropyl propafenone	LC-MS/MS	0.250	5–1000 ng/mL, 5 - 1000 ng/mL & 1 - 200ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
212	Propranolol & 4-Hydroxy Propranolol	LC-MS/MS	0.500	2.0–400.0 ng/mL & 1.0 -200.0 ng/mL	Human Plasma	K3EDTA	API -2000
213	Pseudoephedrine	LC-MS/MS	0.250	5.000 -600 ng/mL	Human Plasma	K3EDTA	API -2000
214	Pseudoephedrine	LC-MS/MS	0.250	1.0 -700.0 ng/mL	Human Plasma	K2EDTA	API -4000
215	Quetiapine	LC-MS/MS	0.250	1.0–500.0 ng/mL	Human Plasma	K2EDTA	API -4000
216	Quetiapine	LC-MS/MS	0.300	0.250–200.0 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
217	Rabeprazole	LC-MS/MS	0.500	1 – 1600 ng/mL	Human Plasma	K3EDTA	API -2000
218	Rabeprazole	LC-MS/MS	0.200	5 – 1200 ng/mL	Human Plasma	K3EDTA	API -2000
219	Ramipril & Ramiprilat	LC-MS/MS	0.250	0.250 -50 & 0.250 - 50 ng/ml	Human Plasma	K2EDTA	API -4000
220	Ranitidine	HPLC/UV	0.500	20 – 3000 ng/mL	Human Plasma	K3EDTA	
221	Ranitidine	LC-MS/MS	0.250	5 – 2000 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
222	Ranolazine	LC-MS/MS	0.250	15.000 -6000 ng/mL	Human Plasma	K2EDTA	API -3200
223	Repaglinide	LC-MS/MS	0.250	0.50 – 60.0 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
224	Risedronate	LC-MS/MS	0.500	0.400 -100 ng/ml	Human Plasma	K2EDTA	API -4000
225	Risperidone	LC-MS/MS	0.200	0.1 – 40 ng/mL	Human Plasma	K3EDTA	API -4000
226	Risperidone	LC-MS/MS	0.250	0.1 to 100 ng/mL	Human Plasma	K3EDTA	API -4000
227	Risperidone & 9 OH-Risperidone	LC-MS/MS	0.300	0.100–25.0 ng/mL & 0.100-25.0 ng/mL	Human Plasma	K2EDTA	UPLC-Micromass
228	Ritonavir	LC-MS/MS	0.250	10 – 4000 ng/mL	Human Plasma	K3EDTA	API -2000
229	Rivastigmine	LC-MS/MS	0.500	30.0–6000 pg/mL	Human Plasma	K2EDTA	API -4000
230	Rosuvastatin	LC-MS/MS	0.500	1 – 300 ng/mL	Human Plasma	K3EDTA	API -4000
231	Rosuvastatin	LC-MS/MS	0.250	0.5 – 100 ng/mL	Human Plasma	K3EDTA	API -4000
232	Saquinavir	LC-MS/MS	0.300	5 – 3000 ng/mL	Human Plasma	K3EDTA	API -2000
233	Secnidazole	HPLC/UV	0.500	1000 – 60000 ng/mL	Human Plasma	K3EDTA	
234	Sildenafil Citrate & Metabolite	LC-MS/MS	0.250	3.0–900ng/mL & 1.0-300.0ng/mL	Human Plasma	K2EDTA	API -3200

S.No	Compound (Metabolite)	Bio analytical Assay	Sample Volume	Calibration Range	Biological Matrix	Anticoagulant	Instrument Model
235	Simvastatin & Simvastatin hydroxy acid	LC-MS/MS	0.250	0.500–80.0 ng/mL & 0.250-40.0 ng/mL	Human Plasma	K3EDTA	API -4000
236	Simvastatin & Simvastatin hydroxy acid	LC-MS/MS	0.200	1.000–160.0ng/mL & 0.500-40.0ng/mL	Human Plasma	K3EDTA	API -4000
237	Simvastatin & Simvastatin hydroxy acid	LC-MS/MS	0.250	0.2–40.0 ng/mL & 0.20-10.0 ng/mL	Human Plasma	K3EDTA	API -4000
238	Solifenacin	LC-MS/MS	0.300	0.5 -100 ng/ml	Human Plasma	K2EDTA	API -3200
239	Sotalol	HPLC/UV	0.500	100 – 3000 ng/mL	Human Plasma	K3EDTA	
240	Spironolactone	HPLC/UV	0.800	6.0 – 400 ng/mL	Human Plasma	K3EDTA	
241	Spironolactone	LC-MS/MS	0.500	2 – 500 ng/mL	Human Plasma	K3EDTA	API -2000
242	Spironolactone	LC-MS/MS	0.500	2 – 200 ng/mL	Human Plasma	K3EDTA	API -2000
243	Stavudine	LC-MS/MS	0.500	15 – 2500 ng/mL	Human Plasma	K3EDTA	API -2000
244	Sumatriptan	LC-MS/MS	0.500	0.5 -200 ng/mL	Human Plasma	K3EDTA	API -3200
245	Sumatriptan	LC-MS/MS	0.500	0.5 – 200 ng/mL	Human Plasma	K3EDTA	API -3200
246	Sumatriptan	LC-MS/MS	0.250	0.5–150 ng/mL	Human Plasma	K2EDTA	API -3200
247	Tacrolimus	LC-MS/MS	0.250	0.5 – 100 ng/mL	Human whole blood	K2EDTA	UPLC-Micromass
248	Tamsulosin	LC-MS/MS	0.250	0.2 – 50 ng/mL	Human Plasma	K3EDTA	API -3000
249	Tamsulosin	LC-MS/MS	0.250	0.75 – 50 ng/mL	Human Plasma	K3EDTA	API -3000
250	Tandolapril&Tandolaprilat	LC-MS/MS	0.500	0.100-50.000 & 0.100-50.000ng/ml	Human Plasma	K2EDTA	API -4000
251	Tandolapril&Tandolaprilat	LC-MS/MS	0.500	0.100-20.000 & 0.100-20.000ng/ml	Human Plasma	K2EDTA	API -4000
252	Telmisartan	LC-MS/MS	0.250	2.0–800.0ng/mL	Human Plasma	K2EDTA	API -4000
253	Tenofovir	LC-MS/MS	0.500	5 – 600 ng/mL	Human Plasma	K3EDTA	API -3200
254	Thioridazine	HPLC/UV	0.500	20 – 1000 ng/mL	Human Plasma	K3EDTA	
255	Thioridazine	HPLC/UV	0.500	20 – 1000 ng/mL	Human Plasma	K3EDTA	
256	Tinidazole	LC-MS/MS	0.200	0.2 – 20 µg/mL	Human Plasma	K2EDTA	UPLC-Micromass

List of Methods under development							
S.No	Compound (Metabolite)	Bio analytical Assay	Sample Volume	Calibration Range	Biological Matrix	Anticoagulant	Status
1	Celecoxib	LC-MS/MS	0.250	20–3500ng/mL	Human Plasma	K2EDTA	MD completed
2	Zolpidem	LC-MS/MS	0.250	2.0–200.0ng/mL	Human Plasma	K2EDTA	MD completed
3	Sulfamethoxazole & Trimethop	LC-MS/MS	0.250	0.450–120.0µg/mL & 15.0–4000.0ng/mL	Human Plasma	K2EDTA	MD completed
4	Carbidopa	LC-MS/MS	0.500	3.0-300.0ng/mL	Human Plasma	K2EDTA	
5	Pravastatin	LC-MS/MS	0.250	0.2-50.0ng/mL	Human Plasma	K2EDTA	
6	Aliskiren	LC-MS/MS	0.250	1.5 -500.0ng/mL	Human Plasma	K2EDTA	
7	Scopolamine	LC-MS/MS	0.250	5.0 -200.0pg/mL	Human Plasma	K2EDTA	
8	Olmесartan	LC-MS/MS	0.250	5.0 -5000.0ng/mL	Human Plasma	K2EDTA	



S.No	Compound (Metabolite)	Bio analytical Assay	Calibration Range	Biological Matrix
1	17-carboxybudesonide	HPLC/MS/MS	0.10	in dog plasma
21	Budesonide	HPLC/MS/MS	0.05	in dog plasma
72	Naproxen	HPLC/MS/MS	10.00	in urine
73	Nerofe	HPLC/MS/MS	1,000.00	in dog plasma
92	Pridinol	HPLC/MS/MS	1.00	in urine
98	Ramipril	HPLC/MS/MS	0.05	in dog plasma
100	Ramiprilate	HPLC/MS/MS	0.50	in dog plasma
109	Sevelamer	IC	0.005 mM	in vitro phosphate binding
128	Zolpidem	HPLC	1.00	plasma direct injection