



List of Validated Bioanalytical Methods

S. No	Analyte	Matrix	LLOQ – ULOQ	Method	Extraction
1.	RBx-9841 (NCE)	Human Plasma	5-5000 pg/mL	LC-MS/MS	LLE
2.	RBx-9841 (NCE)	Human Urine	100-10000 pg/mL	LC-MS/MS	LLE
3.	Abacavir	Human Plasma	40-4000 ng/mL	LC-UV	LLE
4.	Almotriptan	Human Plasma	0.1 – 250 ng/mL	LC-MS/MS	PPT
5.	Ambrisentan	Human Plasma	0.1 – 100 ng/mL	LC-MS/MS	LLE
6.	Amisulpride	Human Plasma	0.1-100 ng/mL	LC-MS/MS	LLE
7.	Amlodipine	Human Plasma	0.1-25 ng/mL	LC-MS/MS	LLE
8.	Amoxicillin	Human Plasma	0.2-20 µg/mL	LC-MS/MS	SPE
9.	Aripiprazole	Human Plasma	30-2000 ng/mL	LC-UV	LLE
10.	Artemether	Human Plasma	10 – 1000 ng/mL	LC-MS/MS	PPT
11.	Aspirin	Human Plasma	0.25-50 µg/mL	LC-UV	LLE
12.	Atomoxetine	Human Plasma	20-3000 ng/mL	LC-MS/MS	LLE
13.	Atorvastatin	Human Plasma	0.1-10 ng/mL	LC-MS/MS	LLE
14.	Atorvastatin	Human Plasma	0.1-20 ng/mL	LC-MS/MS	LLE
15.	o-OH Atorvastatin	Human Plasma	0.25-25 ng/mL	LC-MS/MS	LLE
16.	o-OH Atorvastatin	Human Plasma	0.5-50 ng/mL	LC-MS/MS	LLE
17.	p-OH Atorvastatin	Human Plasma	0.1-10 ng/mL	LC-MS/MS	LLE
18.	Azithromycin	Human Plasma	25-2500 ng/mL	LC-MS/MS	SPE
19.	Azithromycin	Human Plasma	5-500 ng/mL	LC-MS/MS	SPE
20.	Carvedilol	Human Plasma	1-50 ng/mL	LC-FL	LLE
21.	Cefditoren	Human Plasma	0.25-25 µg/mL	LC-UV	SPE
22.	Cerivastatin	Human Plasma	0.1-10 ng/mL	LC-MS/MS	LLE
23.	Cilostazole	Human Plasma	25-2000 ng/mL	LC-MS/MS	LLE
24.	3-4 DehydroCilostazole	Human Plasma	5-400 ng/mL	LC-MS/MS	LLE
25.	Cinacalcet	Human plasma	0.25 – 250 ng/mL	LC-MS/MS	LLE
26.	Ciprofloxacin	Human Plasma	100-10000 ng/mL	LC-UV	SPE
27.	Citalopram	Human Plasma	2-1000 ng/mL	LC-FL	LLE
28.	Clarithromycin	Human Plasma	100-5000 ng/mL	LC-MS/MS	LLE
29.	Clonazepam	Human Plasma	0.05-10 ng/mL	LC-MS/MS	LLE
30.	Clonidine	Human Plasma	10-2000 pg/mL	LC-MS/MS	LLE
31.	Clopidogrel	Human Plasma	10-5000 pg/mL	LC-MS/MS	LLE
32.	Dasatinib	Human Plasma	0.5-200 ng/mL	LC-MS/MS	LLE
33.	Deferasirox	Human Plasma	1- 1000 ng/mL	LC-MS/MS	PPT
34.	Desloratadine	Human Plasma	0.5-25 ng/mL	LC-MS/MS	LLE
35.	Dihydroartemesinin	Human Plasma	10 – 1000 ng/mL	LC-MS/MS	PPT
36.	Dimebon	Human Plasma	0.25 – 250 ng/mL	LC-MS/MS	LLE
37.	Domperidone	Human Plasma	0.5-200 ng/mL	LC-MS/MS	LLE
38.	Domperidone	Human Plasma	2-120 ng/mL	LC-FL	LLE
39.	Doxazosin	Human Plasma	200-1000000 ng/mL	LC-MS/MS	LLE
40.	Dutasteride	Human Plasma	0.1-25 ng/mL	LC-MS/MS	LLE
41.	Efavirenz	Human Plasma	20-2000 ng/mL	LC-MS/MS	SPE
42.	Emitricitabine	Human Plasma	2-200 ng/mL	LC-MS/MS	SPE
43.	Enalapril	Human Plasma	5 -500ng/mL	LC-MS/MS	SPE
44.	Entacapone	Human Plasma	25-2500 ng/mL	LC-UV	LLE



45.	Epalrestat	Human Plasma	1 – 1000 ng/mL	LC-MS/MS	PPT
46.	Escitalopram	Human Plasma	2-200 ng/mL	LC-FL	LLE
47.	Esomeprazole	Human Plasma	40-2400 ng/mL	LC-UV	LLE
48.	Etofylline	Human Plasma	100-10000 ng/mL	LC-UV	PPT
49.	Etoricoxib	Human Plasma	20-5000 ng/mL	LC-UV	LLE
50.	Etoricoxib	Human Plasma	50-6000 ng/mL	LC-UV	LLE
51.	Faropenem	Human Plasma	50-6000 ng/mL	LC-UV	PPT
52.	Felodipine	Human Plasma	20-10000 pg/mL	LC-MS/MS	SPE
53.	Fexofenadine	Human Plasma	10-5000 ng/mL	LC-MS/MS	SPE
54.	Fexofenadine	Human Plasma	10-5000 ng/mL	LC-MS/MS	SPE
55.	Fluconazole	Human Plasma	100-5000 ng/mL	LC-UV	LLE
56.	Fluvastatin	Human Plasma	1-250 ng/mL	LC-MS/MS	SPE
57.	Fluvastatin	Human Plasma	2-500 ng/mL	LC-MS/MS	SPE
58.	Gabapentin	Human Plasma	0.04-10 µg/mL	LC-MS/MS	PPT
59.	Galantamine	Human Plasma	0.5-100 ng/mL	LC-MS/MS	LLE
60.	Gatifloxacin	Human Plasma	100-10000 ng/mL	LC-UV	SPE
61.	Gingkolide A	Human Plasma	0.5-100 ng/mL	LC-MS/MS	LLE
62.	Glimepiride	Human Plasma	5-1000 ng/mL	LC-MS/MS	LLE
63.	Granisetron	Human Plasma	0.1-20 ng/mL	LC-MS/MS	LLE
64.	Hydrochlorothiazide	Human Plasma	1-300 ng/mL	LC-MS/MS	LLE
65.	Hydrochlorothiazide	Human Plasma	0.05-10 ng/mL	LC-MS/MS	LLE
66.	Imatinib	Human Plasma	20-5000 ng/mL	LC-UV	LLE
67.	Isosorbide 5 Mononitrate	Human Plasma	20-2000 ng/mL	LC-MS/MS	LLE
68.	Lacidipine	Human Plasma	0.1-5 ng/mL	LC-MS/MS	LLE
69.	Lamivudine	Human Plasma	10-2000 ng/mL	LC-MS/MS	SPE
70.	Lamivudine	Human Plasma	25-5000 ng/mL	LC-MS/MS	SPE
71.	Lamotrigine	Human Plasma	25-3000 ng/mL	LC-MS/MS	LLE
72.	Lamotrigine	Human Plasma	5-500 ng/mL	LC-MS/MS	LLE
73.	Lipoic Acid	Human Plasma	0.2-10 µg/mL	LC-MS/MS	LLE
74.	Lisinopril	Human Plasma	4-500 ng/mL	LC-MS/MS	SPE
75.	Loratadine	Human Plasma	0.5-25 ng/mL	LC-MS/MS	LLE
76.	Losartan	Human Plasma	20-1000 ng/mL	LC-MS/MS	LLE
77.	Carboxylic acid analogue of Losartan	Human Plasma	20-1000 ng/mL	LC-MS/MS	LLE
78.	Lumefantrin	Human Plasma	50 – 5000 ng/mL	LC-MS/MS	PPT
79.	Metaxalone	Human Plasma	50-5000 ng/mL	LC-MS/MS	LLE
80.	Metformin	Human Plasma	20-2000 ng/mL	LC-MS/MS	SPE
81.	Metformin	Human Plasma	50-5000 ng/mL	LC-UV	PPT
82.	Methyl Caconitine	Human Plasma	0.25 – 250 ng/mL	LC-MS/MS	LLE
83.	Miglitol	Human Plasma	100-6000 ng/mL	LC-MS/MS	PPT
84.	Mosapride	Human Plasma	0.5-200 ng/mL	LC-MS/MS	LLE
85.	Mosapride	Human Plasma	2-80 ng/mL	LC-FL	LLE
86.	Mycophenolate Mofetil	Human Plasma	0.3-10 ng/mL	LC-MS/MS	SPE
87.	Mycophenolate Mofetil	Human Plasma	300-15000 ng/mL	LC-MS/MS	LLE
88.	Nebivolol	Human Plasma	0.05-10 ng/mL	LC-MS/MS	LLE
89.	Nevirapine	Human Plasma	25-5000 ng/mL	LC-MS/MS	LLE
90.	Nevirapine	Human Plasma	25-5000 ng/mL	LC-MS/MS	SPE
91.	Nevirapine	Human Plasma	50-5000 ng/mL	LC-UV	LLE



92.	Nimodipine	Human Plasma	0.2-50 ng/mL	LC-MS/MS	LLE
93.	Olanzapine	Human Plasma	0.25-30 ng/mL	LC-MS/MS	LLE
94.	Oxcarbazepine	Human Plasma	50-5000 ng/mL	LC-UV	LLE
95.	Oxcarbazepine	Human Plasma	50-6000 ng/mL	LC-MS/MS	LLE
96.	10-hydroxy Oxcarbazepine	Human Plasma	100-10000 ng/mL	LC-UV	LLE
97.	Pantoprazole	Human Plasma	50-5000 ng/mL	LC-UV	LLE
98.	Paroxetine	Human Plasma	200-30000 pg/mL	LC-MS/MS	LLE
99.	Pentoxifylline	Human Plasma	5-1000 ng/mL	LC-MS/MS	LLE
100.	Perindopril	Human Plasma	1-200 ng/mL	LC-MS/MS	LLE
101.	Phenytoin	Human Plasma	50-6000 ng/mL	LC-MS/MS	LLE
102.	Pitolisant	Human Plasma	0.1 – 100 ng/mL	LC-MS/MS	PPT
103.	Pramipexole	Human Plasma	200-8000 ng/mL	LC-MS/MS	LLE
104.	Pregabalin	Human Plasma	1-10000 ng/mL	LC-MS/MS	LLE
105.	Propranolol	Human Plasma	2-400 ng/mL	LC-MS/MS	LLE
106.	Pseudoephedrine	Human Plasma	10-2000 ng/mL	LC-MS/MS	SPE
107.	Quercetin	Human Plasma	1-100 ng/mL	LC-MS/MS	LLE
108.	Quetiapine	Human Plasma	0.25-500 ng/mL	LC-MS/MS	LLE
109.	Rabeprazole	Human Plasma	20-1000 ng/mL	LC-UV	SPE
110.	Rimonabant	Human Plasma	0.1-100 ng/mL	LC-MS/MS	LLE
111.	Rosuvastatin	Human Plasma	0.1-10 ng/mL	LC-MS/MS	LLE
112.	S-Amlodipine	Human Plasma	0.05-10 ng/mL	LC-MS/MS	LLE
113.	Sarpogrelate	Human Plasma	1 – 1000 ng/mL	LC-MS/MS	PPT
114.	Sibutramine	Human Plasma	30-6000 pg/mL	LC-MS/MS	LLE
115.	Sildenafil	Human Plasma	10-1000 ng/mL	LC-UV	LLE
116.	Simvastatin	Human Plasma	0.5-50 ng/mL	LC-MS/MS	LLE
117.	Simvastatin acid	Human Plasma	1-100 ng/mL	LC-MS/MS	LLE
118.	Sirolimus	Human Blood	0.5-250 ng/mL	LC-MS/MS	LLE
119.	Sitagliptin	Human Plasma	0.1-250 ng/mL	LC-MS/MS	LLE
120.	Solefenacin	Human Plasma	0.1- 100 ng/mL	LC-MS/MS	PPT
121.	Stavudine	Human Plasma	5-1000 ng/mL	LC-MS/MS	SPE
122.	Tacrolimus	Human Blood	0.5-50 ng/mL	LC-MS/MS	LLE
123.	Tacrolimus	Human Plasma	0.05-25 ng/mL	LC-MS/MS	LLE
124.	Tadalafil	Human Plasma	10-1000 ng/mL	LC-MS/MS	LLE
125.	Tamsulosin	Human Plasma	0.5-100 ng/mL	LC-MS/MS	LLE
126.	Tenofovir	Human Plasma	5-1000 ng/mL	LC-MS/MS	SPE
127.	Theophylline	Human Plasma	100-10000 ng/mL	LC-UV	PPT
128.	Topiramate	Human Plasma	10-1000 ng/mL	LC-MS/MS	LLE
129.	Urapidil	Human Plasma	0.5 – 10000 ng/mL	LC-MS/MS	PPT
130.	Valdecoxib	Human Plasma	10-500 ng/mL	LC-UV	LLE
131.	Valproic Acid	Human Plasma	0.5-60 µg/mL	LC-MS/MS	SPE
132.	Venlafaxine	Human Plasma	1-250 ng/mL	LC-MS/MS	LLE
133.	Venlafaxine	Human Plasma	5-500 ng/mL	LC-MS/MS	LLE
134.	Zidovudine	Human Plasma	5-500 ng/mL	LC-MS/MS	LLE
135.	Zolpidem	Human Plasma	2-300 ng/mL	LC-MS/MS	LLE
136.	Zopiclone	Human Plasma	3-300 ng/mL	LC-FL	LLE
137.	Zopiclone	Human Plasma	50-5000 ng/mL	LC-UV	LLE

SPE: Solid Phase Extraction, LLE: Liquid Liquid Extraction, PPT: Precipitation