

LIST OF VALIDATED BIOANALYTICAL METHODS

S. NO.	ANALYTE	METHOD	CALIBRATION RANGE
1.	ACECLOFENAC	LC-MS/MS	100.000 – 12000.000 ng/mL
2.	AGOMELATINE	LC-MS/MS	0.050 – 8.000 ng/mL
3.	ALBENDAZOLE	LC-MS/MS	2.000 – 800.000 ng/mL
	ALBENDAZOLE SULFOXIDE		5.000 – 2000.000 ng/mL
4.	ALPRAZOLAM	LC-MS/MS	0.300 – 100.000 ng/mL
5.	APREMILAST	LC-MS/MS	2.000 – 800.000 ng/mL
6.	AMLODIPINE	LC-MS/MS	0.100 – 10.000 ng/mL
	ROSUVASTATIN		0.505 – 50.400 ng/mL
7.	AMODIAQUINE	LC-MS/MS	0.200 – 30.000 ng/mL
8.	AMOXICILLIN	LC-MS/MS	30.000 – 12000.000 ng/mL
			100.000 – 30000.000 ng/mL
9.	AMINOCAPROIC ACID	LC-MS/MS	0.300 – 80.000 µg/mL
10.	ARIPIPRAZOLE	LC-MS/MS	1.000 – 200.000 ng/mL
11.	AZATHIOPRINE	LC-MS/MS	0.100 – 49.500 ng/mL
12.	ARTESUNATE	LC-MS/MS	3.000 – 300.000 ng/mL
13.	ASPIRIN	LC-MS/MS	10.000 – 2000.000 ng/mL
	SALICYLIC ACID		50.000 – 10000.000 ng/mL
14.	ATAZANAVIR	LC-MS/MS	50.000 – 6000.000 ng/mL
15.	ATENOLOL	LC-MS/MS	10.000 – 600.000 ng/mL
16.	ATORVASTATIN	LC/MS/MS	0.500 – 150.00 ng/mL
	2-HYDROXY ATORVASTATIN		0.500 – 150.00 ng/mL
	4-HYDROXY ATORVASTATIN		0.100 – 15.000 ng/mL

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17.	ATOVAQUONE	LC/MS/MS	100.000 – 15000.000 ng/mL
18.	AZITHROMYCIN	LC-MS/MS	2.000 – 800.000 ng/mL
19.	ALOGLIPTIN	LC-MS/MS	1.000 – 300.000 ng/mL
20.	ALOGLIPTIN	LC-MS/MS	1.003 – 202.646 ng/mL
	PIOGLITAZONE		11.895 – 2403.098 ng/mL
	HYDROXY PIOGLITAZONE M-IV		7.945 – 1605.051 ng/mL
21.	APIXABAN	LC-MS/MS	1.000 – 300.000 ng/mL
22.	ARTEMETHER	LC-MS/MS	2.000 – 300.000 ng/mL
	DIHYDROARTEMISININ		2.000 – 300.000 ng/mL
23.	BACLOFEN	LC-MS/MS	20.000 – 1000.000 ng/mL
24.	BENAZEPRIL	LC-MS/MS	3.000 – 600.000 ng/mL
	BENAZEPRILAT	LC-MS/MS	12.00 – 1200.00 ng/mL
25.	BISOPROLOL	LC-MS/MS	1.000 – 500.000 ng/mL
	HYDROCHLOROTHIAZIDE		1.000 – 500.000 ng/mL
26.	BUPROPION	LC-MS/MS	1.000 – 4500.000 ng/mL
27.	BULAQUINE	LC-MS/MS	1.000 – 400.000 ng/mL
28.	CANAGLIFLOZIN	LC-MS/MS	10.000 – 6000.000 ng/mL
29.	CANDESARTAN	LC-MS/MS	5.000 – 600.000 ng/mL
30.	CAPECITABINE	LC-MS/MS	50.000 – 120000.000 ng/mL
31.	CARBAMAZEPINE	LC-MS/MS	50.000 – 6000.000 µg/mL
32.	CARBOPLATIN	LC-MS/MS	25.000 – 2500.000 ng/mL
33.	CARISOPRODOL	LC-MS/MS	25.000 – 3000.000 ng/mL

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34.	CELECOXIB	LC-MS/MS	5.000 – 2500.000 ng/mL
35.	CETIRIZINE	LC-MS/MS	2.000 – 600.0000 ng/mL
36.	CIPROFLOXACIN	LC-MS/MS	50.000 – 8000.000 ng/mL
37.	CISPLATIN	LC-MS/MS	25.00 – 5000.00 ng/mL
38.	CITALOPRAM	LC-MS/MS	1.000 – 500.000 ng/mL
	N-DESMETHYL CITALOPRAM		1.000 – 500.000 ng/mL
39.	CLARITHROMYCIN	LC-MS/MS	25.000 – 5000.000 ng/ml
40.	CLAVULANIC ACID	LC-MS/MS	25.000 – 3000.000 ng/mL
			25.000 – 8000.000 ng/mL
41.	CLOPIDOGREL	LC-MS/MS	0.030 – 15.000 ng/mL
42.	CLOBAZAM	LC-MS/MS	2.000 – 500.000 ng/mL
	N-DESMETHYL CLOBAZAM		1.000 – 300.000 ng/mL
43.	COLCHICINE	LC-MS/MS	0.100 – 12.000 ng/mL
			0.040 – 10.000 ng/mL
44.	CYCLOSERINE	LC-MS/MS	10.00 – 3000.00 ng/mL
45.	CYCLOSPORINE	LC-MS/MS	5.000 – 2000.000 ng/mL
46.	DABIGATRAN (FREE)	LC-MS/MS	1.000 – 300.000 ng/mL
47.	DABIGATRAN (TOTAL)	LC-MS/MS	1.000 – 300.000 ng/mL
48.	DARUNAVIR	LC-MS/MS	50.000 – 14000.000 ng/mL
49.	DARUNAVIR	LC-MS/MS	90.000 – 18000.000 ng/mL
	RITONAVIR		20.000 – 4000.000 ng/mL
50.	DICLOFENAC	LC-MS/MS	25.000 – 4000.000 ng/mL

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51.	DESLORATADINE	LC-MS/MS	0.200 – 25.000 ng/mL
		LC-MS/MS	0.100 – 10.000 ng/mL
52.	DIPYRIDAMOLE	LC-MS/MS	20.5000 – 3000.000 ng/mL
53.	DONEPEZIL	LC-MS/MS	0.09 – 24.00 ng/mL
54.	DROXIDOPA	LC-MS/MS	5.000 – 3000.000 ng/mL
55.	DULOXETINE	LC-MS/MS	0.500 – 200.000 ng/mL
56.	EFAVIRENZ	LC-MS/MS	50.00 – 6000.00 ng/mL
57.	ELTROMBOPAG	LC-MS/MS	50.000 – 10000.000 ng/mL
58.	ELUXADOLINE	LC-MS/MS	50.000 – 25000.000 pg/mL
59.	EMTRICITABINE	LC-MS/MS	25.000 – 6000.000 ng/mL
60.	ENALAPRIL	LC-MS/MS	0.500 – 160.000 ng/mL
	ENALAPRILAT	LC-MS/MS	0.500 – 160.000 ng/mL
61.	ESOMEPRAZOLE	LC-MS/MS	10.000 – 3000.000 ng/mL
62.	EZETIMIBE	LC-MS/MS	70.000 – 16000.000 pg/mL
	EZETIMIBE PHENOXY GLUCURONIDE	LC-MS/MS	1.000 – 230.000 ng/mL
63.	FEBUXOSTAT	LC-MS/MS	20.000 – 10000.000 ng/mL
64.	FENOFIBRIC ACID	LC-MS/MS	100.0 – 20000 ng/mL
65.	FESOTERODINE	LC-MS/MS	0.100 – 15.000 ng/mL
	5-HYDROXY METHYL TOLTERODINE	LC-MS/MS	0.100 – 15.000 ng/mL
66.	FINASTERIDE	LC-MS/MS	0.5000 – 200.0000 ng/mL
67.	FINGOLIMOD	LC-MS/MS	0.050 – 5.000 ng/mL
68.	FLUOXETINE	LC-MS/MS	0.500 – 50.000 ng/mL

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69.	GEMCITABINE	LC-MS/MS	10.00 – 2000 ng/mL
70.	GABAPENTIN	LC-MS/MS	30.000 – 8000.000 ng/mL.
71.	GLICLAZIDE	LC-MS/MS	10.000 – 8000.000 ng/mL
72.	GLIMEPIRIDE	LC-MS/MS	2.000 – 500.000 ng/mL
73.	HYDROCHLOROTHIAZIDE	LC-MS/MS	2.000 –200.000 ng/mL
74.	IMATINIB	LC-MS/MS	30.000 – 6000.000 ng/mL
75.	INDAPAMIDE	LC-MS/MS	0.5000 –80.000ng/mL
76.	INDOMETHACIN	LC-MS/MS	100.0 – 4000.0 ng/mL
77.	IRBESARTAN	LC-MS/MS	50.00 – 10000.00 ng/mL
78.	IVABRADINE	LC-MS/MS	0.100 – 100.000 ng/mL
	N-DESMETHYL IVABRADINE		0.100 – 15.000 ng/mL
79.	LACIDIPINE	LC-MS/MS	0.050 – 12.000 ng/mL
80.	LACOSAMIDE	LC-MS/MS	0.750 – 25000 µg/ mL
81.	LAMIVUDINE	LC-MS/MS	15.00 – 3000.00 ng/mL
			20.00 – 2400.00 ng/mL
82.	LANSOPRAZOLE	LC-MS/MS	10.000 – 3000.000 ng/mL
83.	LEVONORGESTREL	LC-MS/MS	0.500 – 25.000 ng/mL
84.	LISINOPRIL	LC-MS/MS	2.000 – 300.000 ng/mL
85.	LOPINAVIR	LC-MS/MS	50.000 – 10000.000 ng/mL
86.	LORATADINE	LC-MS/MS	0.200 – 25.000 ng/mL
87.	LORNOXICAM	LC-MS/MS	5.000 – 1500.000 ng/mL

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S. NO.	ANALYTE	METHOD	CALIBRATION RANGE
88.	LOSARTAN	LC-MS/MS	1.000 – 1200.000 ng/mL
	LOSARTAN CARBOXYLIC ACID		5.00 – 2000.000 ng/mL
89.	LUMEFANTRINE	LC-MS/MS	50.000 – 18000.000 ng/mL
90.	R(-)-MANIDIPINE	LC-MS/MS	0.050 – 10.000 ng/mL
	S(+)-MANIDIPINE	LC-MS/MS	0.050 – 10.000 ng/mL
91.	MARAVIROC	LC-MS/MS	25.000– 3000.000 ng/mL
92.	MEFENAMIC ACID	LC/MS/MS	50.000– 7000.000 ng/mL
93.	METFORMIN	LC-MS/MS	10.000– 3000.000 ng/mL
94.	METHYLPREDNISOLONE	LC-MS/MS	10.000– 800.000 ng/mL
95.	METOCLOPRAMIDE	LC-MS/MS	2.000–180.000 ng/mL
96.	METOPROLOL	LC-MS/MS	1.000 – 150.000 ng/mL
97.	MONTELUKAST	LC/MS/MS	5.000– 600.000 ng/mL
98.	MOSAPRIDE	LC-MS/MS	0.200– 60.000 ng/mL
99.	MONOMETHYL FUMARATE	LC-MS/MS	10.000– 4000.000 ng/mL
100.	MYCOPHENOLATE MOFETIL	LC-MS/MS	0.100– 20.000 ng/mL
	MYCOPHENOLIC ACID	LC-MS/MS	0.100– 20.000 µg/mL
101.	NAPROXEN	LC-MS/MS	0.200– 60.000 µg/mL
102.	NAPROXEN	LC-MS/MS	400.000– 120000.000 ng/mL
	DIPHENHYDRAMINE		0.800 – 240.000 ng/mL
103.	NEBIVOLOL	LC-MS/MS	0.150 – 40.000 ng/mL

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104.	NEVIRAPINE	LC-MS/MS	25.000 – 5000.000 ng/mL
105.	NIACIN	LC-MS/MS	30.00 – 25000 ng/mL
	NICOTINAMIDE	LC-MS/MS	15.00 – 3000 ng/mL
	NICOTINURIC ACID	LC-MS/MS	15.00 – 3000 ng/mL
106.	N-METHYL-2-PYRIDONE-5-CARBOXAMIDE (2PY)	LC-MS/MS	50.00 – 5000 ng/mL
107.	NITROGLYCERIN	LC-MS/MS	0.020 – 5.000 ng/mL
108.	NITROGLYCERIN	LC-MS/MS	0.050 – 10.000 ng/mL
	1,2-DINITROGLYCERIN		0.050 – 10.000 ng/mL
	1,3-DINITROGLYCERIN		0.050 – 10.000 ng/mL
109.	OLANZAPINE	LC-MS/MS	0.1000 – 80.0000 ng/mL
110.	OSELTAMIVIR	LC-MS/MS	0.500 – 200.000 ng/mL
	OSELTAMIVIR CARBOXYLIC ACID	LC-MS/MS	2.000 – 800.000 ng/mL
111.	OMEPRAZOLE	LC-MS/MS	5.000 – 5000.000 ng/mL
112.	OBETICHOLIC ACID	LC-MS/MS	0.400 – 120.00 ng/mL
	GLYCO OBETICHOLIC ACID		0.400 – 120.000 ng/mL
	TAURO OBETICHOLIC ACID		0.250 – 75.000 ng/mL
113.	OLMESARTAN	LC-MS/MS	2.538 – 4052.724 ng/mL
	HYDROCHLOROTHIAZIDE		1.019 – 407.632 ng/mL
114.	ONDANSETRON	LC-MS/MS	0.20 – 100 ng/mL
115.	OSPEMIFENE	LC-MS/MS	5.000 – 3000.000 ng/mL
116.	PANTOPRAZOLE	LC/MS/MS	25.000 – 5000.000 ng/mL

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117.	PENCICLOVIR	LC-MS/MS	50.00 – 6000.000 ng/mL
118.	PENTOXIFYLLINE	LC-MS/MS	0.500 – 200.000 ng/mL
119.	PHENYTOIN	LC-MS/MS	100.000 – 10000.000 ng/mL
120.	PIOGLITAZONE	LC-MS/MS	12.00 – 2400.000 ng/mL
	HYDROXY PIOGLITAZONE		8.000 – 1600.000 ng/mL
121.	POSACONAZOLE	LC-MS/MS	2.500 – 1500.000 ng/mL
122.	PITAVASTATIN	LC-MS/MS	1.000 – 200.000 ng/mL
123.	PRASUGREL (R-138727)	LC-MS/MS	2.000 – 400.000 ng/mL
124.	PRASUGREL (R-95913)	LC-MS/MS	1.000 – 250.000 ng/mL
125.	PRAVASTATIN	LC-MS/MS	0.500 – 600.000 ng/ mL
126.	PROGUANIL	LC-MS/MS	4.000 – 400.000 ng/ mL
127.	PSEUDOEPHEDRINE	LC-MS/MS	10.000 – 2000.000 ng/mL
128.	RAMIPRIL	LC-MS/MS	0.500 – 250.000 ng/mL
	RAMIPRILAT		0.500 – 250.000 ng/mL
129.	RANITIDINE	LC-MS/MS	50.000 – 5000.000 ng/mL
130.	RISEDRONATE	LC-MS/MS	0.010 – 12.000 ng/mL
131.	RASAGILINE	LC-MS/MS	0.130 – 26.000 ng/mL
132.	RITONAVIR	LC-MS/MS	5.000 – 2000.000 ng/mL
133.	ROSUVASTATIN	LC-MS/MS	0.500 – 100.000 ng/mL
134.	SAXAGLIPTIN	LC-MS/MS	0.500 – 60.000 ng/mL
	5-HYDROXY SAXAGLIPTIN	LC-MS/MS	0.500 – 60.000 ng/mL
135.	SIBUTRAMINE	LC-MS/MS	0.100 – 50.000 ng/mL

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136.	SILDENAFIL	LC-MS/MS	10.000 – 3000.000 ng/mL
	DESMETHYL SILDENAFIL		10.000 – 5000.000ng/mL
137.	SIMVASTATIN	LC-MS/MS	0.200 – 7.000 ng/mL
	SIMVASTATIN HYDROXY ACID		0.500 – 100.000 ng/mL
138.	SILODOSIN	LC-MS/MS	0.2000 – 100.000 ng/mL
	SILODOSIN GLUCURONIDE		0.2000 – 100.000 ng/mL
139.	SOLIFENACIN	LC-MS/MS	0.200 – 30.000 ng/mL
140.	TACROLIMUS	LC-MS/MS	0.200 – 200.000 ng/mL
141.	TAMSULOSIN	LC-MS/MS	0.300 –75.000 ng/mL
142.	TELMISARTAN	LC-MS/MS	1.000 –1500.000 ng/mL
143.	TENOFOVIR	LC-MS/MS	10.000 – 1000.000 ng/mL
144.	TERBINAFINE	LC-MS/MS	10.000 – 2000.000 ng/mL
145.	TERIFLUNOMIDE	LC-MS/MS	10.000 – 4000.000 ng/mL
146.	TESTOSTERONE	LC-MS/MS	0.500 – 50.000 ng/mL
147.	TETRABENAZINE (ALPHA AND BETA METABOLITES)	LC-MS/MS	0.500 – 100.000 ng/mL
148.	THALIDOMIDE	LC-MS/MS	30.000 – 3000.000 ng/mL
149.	TIZANIDINE	LC-MS/MS	0.100 – 18.000 ng/mL
150.	FESOTERODINE	LC-MS/MS	0.050 – 10.000 ng/mL
	5-HYDROXYMETHYL TOLTERODINE	LC-MS/MS	0.050 – 10.000 ng/mL
151.	TOLVAPTAN	LC-MS/MS	5.000 – 600.000 ng/mL
152.	TOPIRAMATE	LC-MS/MS	50.000 – 9000.000 ng/mL

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153.	TRAMADOL	LC-MS/MS	5.000 – 600.00 ng/mL
154.	VALSARTAN	LC-MS/MS	50.000 – 12000.000 ng/mL
	HYDROCHLOROTHIAZIDE	LC-MS/MS	1.000 – 250.000 ng/mL
155.	VALGANCICLOVIR	LC-MS/MS	2.000 – 400.000 ng/mL
	GANCICLOVIR		40.000 – 12000.000 ng/mL
156.	VENLAFAXINE	LC-MS/MS	4.000 – 800.000 ng/mL
	O-DESMETHYL VENLAFAXINE		5.000 – 500.000 ng/mL
157.	VORTIOXETINE	LC-MS/MS	0.200 – 20.000 ng/mL
158.	ZIDOVUDINE	LC-MS/MS	25.000 – 5000.000 ng/mL