

LIST OF VALIDATED BIOANALYTICAL METHODS

Sr.No.	Name of the Molecule/Metabolite	Therapeutic Class	Method of Analysis	Calibration Curve Range	Biological Matrix
1	Abacavir;Lamivudine	Antiretroviral	LC/MS/MS	100-8000 ng/mL;75-6000 ng/mL	Plasma
2	Abacavir;Lamivudine;Zidovudine	Antiretroviral	LC/MS/MS	80-8000 ng/mL;50-5000 ng/mL;50-5000ng/mL	Plasma
3	Aceclofenac	Anti inflammatory	LC/MS/MS	200-20000 ng/mL	Plasma
4	Acetazolamide	Diuretic	LC/MS/MS	0.8-60 ng/mL	Plasma
5	Acitretin;13 Cis Acitretin	Antipsoriatic	LC/MS/MS	5-1000 & 4-300 ng/mL;5-1000 & 4-100 ng/mL	Plasma
6	Alprazolam	Antianxiety	LC/MS/MS	0.1-50 ng/mL	Plasma
7	Acyclovir	Antiviral	LC/MS/MS	50-10000 ng/mL	Plasma
8	Acyclovir;Valacyclovir	Antiviral	LC/MS/MS	50-10000 ng/mL;100-12000 ng/mL	Plasma
9	Allopurinol	Antigout	LC/MS/MS	50-4000ng/mL	Plasma
10	Amlodipine	Antihypertensive	LC/MS/MS	150-12600 pg/mL	Plasma
11	Anastrozole	Antineoplastic	LC/MS/MS	0.2-30 ng/mL	Plasma
12	Artemether(Lumefantrine)	Antimalarial	LC/MS/MS	2 - 250 ng/mL	Plasma
13	Armodafinil	CNS Stimulant	LC/MS/MS	200-15000 ng/mL	Plasma
14	Aspirin(Salicylic acid,Dipyridamol)	Analgesic	LC/MS/MS	10-2000 ng/mL	Plasma
15	Atazanavir	Antiretroviral	LC/MS/MS	40-7000 ng/mL	Plasma
16	Atorvastatin	Antihyperlipoproteinemic	LC/MS/MS	0.5-50 ng/mL	Plasma
17	Atorvastatin; <i>o</i> -OH Atorvastatin; <i>p</i> -OH Atorvastatin	Antihyperlipoproteinemic	LC/MS/MS	0.2-40 ng/mL; 0.2-40 ng/mL;0.1-10 ng/mL	Plasma
18	Atovaquone	Antiparasitic	LC/MS/MS	50-4000 ng/mL	Plasma
19	Bicalutamide	Anticancer	LC/MS/MS	20-3000 ng/mL	Plasma
20	Chlorpheniramine;Pseudoephedrine (Ibuprofen)	Antihistaminic;Decongest ant	LC/MS/MS	0.3 -40 ng/mL; 3 -400 ng/mL	Plasma
21	Candesartan	Antihypertensive	LC/MS/MS	2 - 500 ng/mL	Plasma
22	Ciprofloxacin	Antibiotic	LC/MS/MS	50-8000ng/mL	Plasma
23	Clopidogrel	Antithrombotic	LC/MS/MS	50- 14000 pg/mL	Plasma
24	Cycloserine	Antibacterial(Tuberculost atic)	LC/MS/MS	250 – 20000 ng/mL	Plasma
25	Dexlansoprazole	Antiulcerative	LC/MS/MS	20-3000 ng/mL	Plasma
26	Dipyridamol(Aspirin, Salicylic acid)	Antithrombotic	LC/MS/MS	30 -6000 ng/mL	Plasma
27	Diflunisal	Antiinflammatory	LC/MS/MS	1 -100 µg/mL	Plasma

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28	Docetaxel	Anticancer	LC/MS/MS	10-6000 ng/mL	Plasma
29	Donepezil	Anti-Alzheimer's	LC/MS/MS	0.1-30ng/mL	Plasma
30	Escitalopram	Antidepressant	LC/MS/MS	0.2-40ng/mL	Plasma
31	Esomeprazole	Antiulcerative	LC/MS/MS	5 – 3500 ng/mL	Plasma
32	Eszopiclone	Hypnotic	LC/MS/MS	1-200 ng/mL	Plasma
33	Eperisone;Diclofenac	Antispasmodic;Antiinflammatory	LC/MS/MS	10-10000pg/mL;20-3000ng/mL	Plasma
34	Ethambutol	Antibacterial(Tuberculostatic)	LC/MS/MS	30 – 2000 ng/mL	Plasma
35	Felbamate	Anticonvulsant	LC/MS/MS	300-60000 ng/mL	Plasma
36	Felodipine	Antihypertensive	LC/MS/MS	0.1 – 20 ng/mL	Plasma
37	Fenofibric acid	Anti hyperlipidemic	LC/MS/MS	0.2-20µg/mL	Plasma
38	Gabapentin	Anti convulsant	LC/MS/MS	80-8000ng/mL	Plasma
39	Glimepiride	Antidiabetic	LC/MS/MS	1 – 200 ng/mL& 1-600 ng/mL	Plasma
40	Glipizide	Antidiabetic	LC/MS/MS	2 – 2000 ng/mL	Plasma
41	Griseofulvin	Antibiotic	LC/MS/MS	10 – 2400 ng/mL	Plasma
42	Hydrochlorothiazide	Antihypertensive	LC/MS/MS	3 – 300 ng/mL	Plasma
43	Ibuprofen	Anti inflammatory	LC/MS/MS	500 – 80000 ng/mL	Plasma
44	Ibuprofen (Pseudoeph., CPM, Methocarb)	Anti inflammatory	LC/MS/MS	495 – 60000 ng/mL	Plasma
45	Indomethacin	Anti inflammatory	LC/MS/MS	75 – 6000 ng/mL	Plasma
46	Imatinib	Antineoplastic	LC/MS/MS	60 – 6000 ng/mL	Plasma
47	Imatinib;Desmethyl Imatinib	Antineoplastic	LC/MS/MS	60 – 6000 ng/mL;6-600 ng/mL	Plasma
48	Irbesartan	Antihypertensive	LC/MS/MS	60 – 6000 ng/mL	Plasma
49	Isoniazid;Ethambutol;Pyrazinamide(Rifampicin)	Antituberculosis	LC/MS/MS	110-6000 ng/mL;75-4000 ng/mL;750-40000 ng/mL	Plasma
50	Lamivudine	Antiretroviral	LC/MS/MS	50-7000ng/mL	Plasma
51	Lamivudine;Stavudine; Nevirapine	Antiretroviral	LC/MS/MS	30-3000 ng/mL;20-2000 ng/mL;50-200 ng/mL	Plasma
52	Lamivudine(Tenofovir)	Antiretroviral	LC/MS/MS	50 – 5000 ng/mL	Plasma
53	Lamivudine;Zidovudine	Antiretroviral	LC/MS/MS	20-3200 ng/mL;40-5000 ng/mL	Plasma
54	Lamotrigine	Anticonvulsant	LC/MS/MS	10 – 1200 ng/mL	Plasma
55	Lansoprazole	Antiulcerative	LC/MS/MS	20 – 2000 ng/mL	Plasma

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56	Leflunomide-A771726	Antirheumatic	LC/MS/MS	40 – 3000 ng/mL	Plasma
57	Letrozole	Antineoplastic	LC/MS/MS	1 – 80 ng/mL	Plasma
58	Levetiracetam	Anticonvulsant	LC/MS/MS	0.5 – 50 µg/mL	Plasma
59	Levocetirizine	Antiallergic	LC/MS/MS	4-600 ng/mL	Plasma
60	Levodopa;Carbidopa	Antiparkinsonian	LC/MS/MS	10-3000 ng/mL;2-200ng/mL	Plasma
61	Levonorgestrel	Emergency contraceptive	LC/MS/MS	0.3-60ng/mL	Plasma
62	Lisinopril	Antihypertensive	LC/MS/MS	1-100 ng/mL	Plasma
63	Losartan;Losartan Acid	Antihypertensive	LC/MS/MS	10 – 2000 ng/mL; 10 – 2000 ng/mL	Plasma
64	Lumefantrine(Artemether)	Antimalarial	LC/MS/MS	100 – 20000 ng/mL	Plasma
65	Methocarbamol(Ibu.,Pseudoeph.,CPM)	Muscle relaxant	LC/MS/MS	200 – 20000 ng/mL	Plasma
66	Methotrexate	Antineoplastic, Antirheumatic	LC/MS/MS	3 – 400 ng/mL	Plasma
67	Metformin;Glimepiride	Antidiabetic	LC/MS/MS	30-3000 ng/mL; 3-300 ng/mL	Plasma
68	Metoprolol	Antihypertensive	LC/MS/MS	2 – 1600 ng/mL	Plasma
69	Metaxalone	Autonomic agent	LC/MS/MS	25 – 6000 ng/mL	Plasma
70	Midazolam	Anticonvulsant, Anesthetic	LC/MS/MS	1 – 140 ng/mL	Plasma
71	Mifepristone	Abortifacient	LC-MS/MS	20-4000 ng/mL	Plasma
72	Montelukast	Antiasthmatic	LC/MS/MS	3 – 300 ng/mL	Plasma
73	Nevirapine	Antiretroviral	LC/MS/MS	20 – 4000 ng/mL	Plasma
74	Niacin;Nicotinuric acid	Antihyperlipedemic	LC/MS/MS	50 – 20000 & 10 – 7000 ng/mL	Plasma
75	Nifedipine	Antihypertensive	LC/MS/MS	1 – 100 & 1 – 300 ng/mL	Plasma
76	Nisoldipine	Antihypertensive	LC/MS/MS	0.05 – 16 ng/mL	Plasma
77	Oxybutynin; Desethyl Oxybutynin	Urinary incontinence	LC/MS/MS	0.1 – 12 ng/mL; 0.2 – 42 ng/mL	Plasma
78	Olanzapine	Antipsycotic	LC/MS/MS	0.2 – 40 ng/mL	Plasma
79	Omeprazole	Antiulcerative	LC/MS/MS	10-3200 ng/mL	Plasma
80	Pantoprazole	Antiulcerative	LC/MS/MS	50 – 5000 ng/mL	Plasma
81	Paracetamol	Antipyretic	LC/MS/MS	100-20000 ng/mL	Plasma
82	Phenytoin	Antiepileptic	LC/MS/MS	20-10000 ng/mL	Plasma
83	Pramipexole	Antiparkinsonian	LC/MS/MS	50 – 2000 pg/mL	Plasma
84	Praziquantel	Anthelmintic	LC/MS/MS	10 – 2000 ng/mL	Plasma
85	Proguanil;Cycloquanil	Antiparasitic	LC/MS/MS	1-300 ng/mL; 1-300ng/mL	Plasma

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86	Prothionamide	Antibacterial(Tuberculostatic)	LC/MS/MS	30 - 3000 ng/mL	Plasma
87	Protryptiline	Antidepressant	LC/MS/MS	0.2-30 ng/mL	Plasma
88	Quetiapine	Antipsychotic	LC/MS/MS	4 -1000 ng/ml	Plasma
89	Rabeprazole	Antiulcerative	LC/MS/MS	5 – 2000 ng/mL	Plasma
90	Raloxifene	Antiosteoporotic	LC/MS/MS	30 - 900 pg/mL	Plasma
91	Ramipril; Ramiprilat	Antihypertensive	LC/MS/MS	0.2 - 50 ng/mL; 0.2 - 50 ng/mL	Plasma
92	Ranitidine	Antiulcerative	LC/MS/MS	10 - 2000 ng/mL	Plasma
93	Rifampicin;Desacetylrifampicin (Isoniazid,Ethambutol,Pyrazinalide)	Antituberculosis	LC/MS/MS	100-12000 ng/mL;100-12000 ng/mL	Plasma
94	Rizatriptan	Antimigraine	LC/MS/MS	0.2-80 ng/mL	Plasma
95	Salicyclic Acid(Aspirin, Dipyrindamol)	Anti inflammatory, Keratolytic	LC/MS/MS	250-150000 ng/mL	Plasma
96	Sertraline	Antidepressant	LC/MS/MS	0.25 - 50 ng/mL	Plasma
97	Sildenafil:N-desmethyl Sildenafil	Erectile dysfunction	LC/MS/MS	5-1500 ng/mL;1-300 ng/mL	Plasma
98	Sorafenib	Anticancer	LC/MS/MS	30-6000ng/mL	Plasma
99	Spironolactone; Canrenone	Diuretic	LC/MS/MS	5 - 400 ng/mL; 5 - 400 ng/mL	Plasma
100	Tenofovir	Antiretroviral	LC/MS/MS	5 -1000 ng/mL	Plasma
101	Tenofovir(Lamivudine)	Antiretroviral	LC/MS/MS	5 -1000 ng/mL	Plasma
102	Telmisartan	Antihypertensive	LC/MS/MS	5-1200 ng/mL	Plasma
103	Theophylline	Bronchodilator	LC/MS/MS	0.4 -40 ng/mL	Plasma
104	Trimetazidine	Antianginal	LC/MS/MS	2 -150 ng/mL	Plasma
105	Tramadol;O-desmethyl Tramdol;N-O-didesmrthyl Tramadol	Analgesic	LC/MS/MS	2-240 ng/mL;0.6-120 ng/mL;0.4-80ng/mL	Plasma
106	Tropium	Antispasmodic	LC/MS/MS	20-1200 pg/mL	Plasma
107	Valproic acid	Anticonvulsant	LC/MS/MS	3-160 µg/mL	Plasma
108	Valsartan	Antihypertensive	LC/MS/MS	100-20000 ng/mL	Plasma
109	Verapamil; Norverapamil	Antihypertensive	LC/MS/MS	4 - 400 ng/mL; 4 - 400 ng/mL	Plasma
110	Zolmitriptan; N- desmethyl Zolmitriptan	Antimigraine	LC/MS/MS	160 -16000 pg/mL;160 -16000 pg/mL	Plasma
111	Zopiclone	Hypnotic	LC/MS/MS	1-200 ng/mL	Plasma
112	7-alpha thiomethyl spironolactone	Diuretic	LC/MS/MS	10 - 800 ng/mL	Plasma