

Bioanalytical Method Validations

S.No.	Name of the Analyte / Metabolite	MV Number	Anticoagulant	Biological Matrix	Extraction Technique	Instrument	LLOQ	ULOQ	Units
1.	Nevirapine	MV/14/002	K ₂ EDTA	Human Plasma	LLE	API 4000	49.217	10082.069	ng/mL
2.	Pramipexole	MV/14/003	K ₂ EDTA	Human Plasma	LLE	API 4000	5.374	519.000	pg/mL
3.	Nebivolol	MV/15/002	K ₂ EDTA	Human Plasma	LLE	API 4000	50.687	15088.357	pg/mL
4.	Piperaquine	MV/16/013	K ₂ EDTA	Human Plasma	LLE	API 4000	1.023	253.303	ng/mL
5.	Dihydroartemisinin	MV/16/014	K ₂ EDTA	Human Plasma	LLE	API 4000	2.002	1034.628	ng/mL
6.	Spironolactone + Canrenone	MV-16-004	K ₂ EDTA	Human Plasma	LLE	API 4000	0.500	502.464	ng/mL
							1.001	301.473	
7.	Olmесartan	MV/16/011	K ₂ EDTA	Human Plasma	LLE	API 4000	5.044	2532.179	ng/mL
8.	Lamotrigine	MV/15/004	K ₂ EDTA	Human Plasma	LLE	API 4000	10.045	4034.436	ng/mL
9.	Amphotericin B (Total)	MV/16/012	K ₂ EDTA	Human Plasma	SPE	API 4000	504.687	151176.208	ng/mL
10.	Amphotericin B (Free)	MV/16/012	K ₂ EDTA	Human Plasma	SPE	API 4000	40.152	15337.521	ng/mL
11.	Theophylline	MV/17/001	K ₂ EDTA	Human Plasma	SPE	API 4000	50.076	15080.156	ng/mL
12.	Losartan and Losartan Carboxylic Acid	MV-17-002	K ₂ EDTA	Human Plasma	LLE	API 4000	1.030	810.319	ng/mL
13.	Tadalafil	MV-15-005	K ₂ EDTA	Human Plasma	LLE	API 4000	1.099	804.117	ng/mL

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14.	Etoricoxib	MV-17-007	K ₂ EDTA	Human Plasma	LLE	API 4000	49.989	6519.874	ng/mL
15.	Dienogest	MV-17-004	K ₂ EDTA	Human Plasma	LLE	API 4000	1.004	202.648	ng/mL
16.	Apremilast	MV-17-009	K ₂ EDTA	Human Plasma	LLE	API 4000	14.895	1202.461	ng/mL
17.	Azelnidipine	MV-17-010	K ₂ EDTA	Human Plasma	LLE	API 4001	0.499	49.937	ng/mL
18.	Perindopril, Perindoprilat & Amlodipine	MV-17-011	K ₂ EDTA	Human Plasma	SPE	API 4000	1.513	150.525	ng/mL
							0.500	200.247	ng/mL
							0.301	19.750	ng/mL
19.	Ulipristal acetate	MV-17-005	K ₂ EDTA	Human Plasma	LLE	API 4000	1.037	102.155	ng/mL
20.	Amoxicillin & Clavulanic Acid	MV-18-003	K ₂ EDTA	Human Plasma	SPE	API 4000	150.773	25079.142	ng/mL
							50.265	6018.297	ng/mL
21.	Oxaceprol	MV-17-008	K ₂ EDTA	Human Plasma	SPE	API 4000	10.067	2523.152	ng/mL
22.	Perindopril + Perindoprilat + Amlodipine in the presence of Indapamide	MV-18-004	K ₂ EDTA	Human Plasma	SPE	API 4500	0.507	351.186	ng/mL
							0.508	150.039	ng/mL
							0.307	20.111	ng/mL

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23.	Dapoxetine	MV-18-006	K ₂ EDTA	Human Plasma	LLE	API 4000	10.164	1507.130	ng/mL
24.	Metformin + Glibenclamide	MV-18-009	K ₂ EDTA	Human Plasma	PPT	API 4500	5.003	2000.058	ng/mL
							1.000	300.627	ng/mL
25.	Indapamide in the presence or absence of Perindopril and Perindoprilat	MV-18-005	K ₂ EDTA	Human Blood	LLE	API 4500	0.500	150.448	ng/mL
26.	Azithromycin	MV-18-012	K ₂ EDTA	Human Plasma	PPT	API 4000	10.018	1501.193	ng/mL
27.	Febuxostat	MV-18-008	K ₂ EDTA	Human Plasma	PPT	API 4000	50.018	16012.589	ng/mL
28.	Solifenacin	MV-18-007	K ₂ EDTA	Human Plasma	LLE	API 4000	0.501	50.320	ng/mL
29.	Amlodipine& Valsartan	MV-18-013	K ₂ EDTA	Human Plasma	SPE	API 4000	0.201	20.089	ng/mL
							20.089	10003.435	
30.	Digoxin in the presence of Spirinolactone and its metabolite Canrenone (D, D(S+C))	MV-18-010	K ₂ EDTA	Human Plasma	PPT	API 4500	65.048	4010.472	pg/mL
							65.048	4010.472	
31.	Digoxin in the presence and absence of Spirinolactone and its metabolite Canrenone (D, D(S+C))	MV-19-001	NA	Human Urine	PPT	API 4500	0.504	100.758	ng/mL
							0.504	100.758	ng/mL

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32.	Hydrochlorthiazide in the presence and absence of Amlodipine& Valsartan	MV-19-007	K ₂ EDTA	Human Plasma	LLE	API 4000	1.003	501.263	ng/mL
33.	Metformin	MV-19-002	K ₂ EDTA	Human Plasma	PPT	API 4000 & API4500	5.006	3005.664	ng/mL
34.	Amlodipine& Valsartan-Hydrochlorothiazide	MV-19-006	K ₂ EDTA	Human Plasma	SPE	API 4500	0.202	20.007	ng/mL
35.	Theophylline	MV-19-009	K ₂ EDTA	Human Plasma	PPT	API 4000	100.009	15995.004	ng/mL
36.	Sitagliptin	MV-19-010	K ₂ EDTA	Human Plasma	LLE	API 4000	1.003	1001.7	ng/mL
37.	Bilastine	MV-19-008	K ₂ EDTA	Human Plasma	PPT	API 4000	1.003	601.571	ng/mL
38.	Nebivolol	MV-19-004	K ₂ EDTA	Human Plasma	LLE	API 4500	20.009	14038.642	pg/mL
39.	Pitavastatin	MV-18-011	K ₂ EDTA	Human Plasma	LLE	API 4000	0.504	150.624	ng/mL
40.	Lornoxicam	MV-19-003	K ₂ EDTA	Human Plasma	LLE	API 4000	2.005	1205.807	ng/mL
41.	Linezolid	MV-19-011	K ₂ EDTA	Human Plasma	PPT	API 4500	0.101	30.016	µg/mL
42.	Obeticholic acid, Glyco Obeticholic acid and Tauro Obeticholic acid	MV-19-012	K ₂ EDTA	Human Plasma	SPE	API 4000 & API 4500	0.503	150.183	ng/mL
							0.504	150.571	ng/mL
							0.251	50.146	ng/mL

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43.	Rivaroxaban	MV-19-013	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	0.501	802.555	ng/mL
44.	Metformin and Sitagliptin	MV-20-001	K ₂ EDTA	Human Plasma	PPT	API 4000	5.009	3001.521	ng/mL
							5.002	1001.437	ng/mL
45.	Mirabegron	MV-20-003	K ₂ EDTA	Human Plasma	LLE	API 4000	0.202	80.153	ng/mL
46.	Bumetanide	MV-20-004	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	0.501	201.583	ng/mL
47.	Abiraterone	MV-20-005	K ₂ EDTA	Human Plasma	PPT	API 4000	1.005	1501.514	ng/mL
48.	Tizoxanide	MV-20-006	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	50.038	20007.290	ng/mL
49.	Safinamide	MV-20-007	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	10.052	1603.830	ng/mL
50.	Topiramate	MV-20-008	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	10.007	6001.417	ng/mL
51.	Haloperidol	MV-20-009	K ₂ EDTA	Human Plasma	LLE	API 4000	10.020	4034.145	pg/mL
52.	Ribociclib	MV-20-011	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	10.005	2503.986	ng/mL
53.	Pazopanib	MV-20-012	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	0.104	82.537	µg/mL
54.	Ranolazine	MV-20-013	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	10.010	5014.827	ng/mL
55.	3-Demethyl Thiocolchicine 3-O-β-D-Glucuronide	MV-20-014	K ₂ EDTA	Human Plasma	SPE	API 4000 & API 4500	1.002	120.093	ng/mL

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56.	Acotiamide	MV-20-015	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	1.007	400.639	ng/mL
57.	Ibuprofen	MV-20-016	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	0.102	50.026	µg/mL
58.	Palbociclib	MV-21-002	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	0.501	150.292	ng/mL
59.	Metformin	MV-21-003	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	5.010	3001.539	ng/mL
60.	Linagliptin	MV-21-006	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	0.100	10.013	ng/mL
61.	Free Dabigatran	MV-21-008	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	1.011	601.201	ng/mL
62.	Total Dabigatran	MV-21-009	K ₂ EDTA	Human Plasma	PPT	API 4000	1.010	600.659	ng/mL
63.	Esomeprazole	MV-21-010	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	5.008	4001.131	ng/mL
64.	Budesonide	MV-21-011	K ₂ EDTA	Human Plasma	SPE	API 4000 & API 4500	10.014	5011.136	pg/mL
65.	Isosorbide-5-Mononitrate	MV-21-013	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	10.029	5001.992	ng/mL
66.	Clopidogrel	MV-21-015	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	10.013	10007.998	pg/mL
67.	Remdesivir & Remdesivir metabolite	MV-21-016	K ₂ EDTA	Human Plasma	SPE	API 4000 & API 4500	10.011	4004.577	ng/mL
							1.002	300.650	ng/mL
68.	Venetoclax	MV-21-017	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	0.504	400.937	ng/mL

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69.	Nebivolol	MV-21-020	K ₂ EDTA	Human Plasma	LLE	API 4500	50.001	20044.985	pg/mL
70.	Pantoprazole	MV-21-025	K ₂ EDTA	Human Plasma	PPT	API 4000	7.014	7010.183	ng/mL
71.	Atovaquone	MV-21-026	K ₂ EDTA	Human Plasma	LLE	API 4000	10.032	6004.385	ng/mL
72.	Ibrutinib	MV-21-028	K ₂ EDTA	Human Plasma	LLE	API 4000	0.402	201.290	ng/mL
73.	Cetirizine	MV-21-029	K ₂ EDTA	Human Plasma	PPT	API 4000	0.401	603.335	ng/mL
74.	Proguanil	MV-21-030	K ₂ EDTA	Human Plasma	LLE	API 4000	0.502	200.239	ng/mL
75.	Famotidine	MV-21-031	K ₂ EDTA	Human Plasma	LLE	API 4500	0.502	300.639	ng/mL
76.	Tofacitinib	MV-21-032	K ₂ EDTA	Human Plasma	LLE	API 4000	0.303	300.229	ng/mL
77.	Crizotinib	MV-21-021	K ₂ EDTA	Human Plasma	LLE	API 4500	0.809	399.849	ng/mL
78.	Eltrombopag	MV-21-023	K ₂ EDTA	Human Plasma	PPT	API 4000	50.047	14995.412	ng/mL
79.	Mycophenolic Acid	MV-21-027	K ₂ EDTA + Sodium Fluoride	Human Plasma	LLE	API 4000	50.125	30169.022	ng/mL
	Mycophenolate Mofetil						15.157	20282.248	pg/mL
80.	Encorafenib	MV-22-005	K ₂ EDTA	Human Plasma	LLE	API 4000	5.001	2002.934	ng/mL
81.	Acetaminophen & Ibuprofen	MV-21-022	K ₂ EDTA	Human Plasma	SPE	API 4000	50.035	15026.775	ng/mL
							100.253	30055.035	ng/mL

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82.	Dacomitinib	MV-21-033	K ₂ EDTA	Human Plasma	LLE	API 4500	0.503	250.010	ng/mL
83.	Alfuzosin	MV-22-001	K ₂ EDTA	Human Plasma	LLE	API 4000	0.100	40.216	ng/mL
84.	Fexofenadine	MV-22-007	K ₂ EDTA	Human Plasma	PPT	API 4000 & API 4500	2.008	2000.612	ng/mL
85.	Solifenacin	MV-22-008	K ₂ EDTA	Human Plasma	LLE	API 4000	0.401	39.879	ng/mL
86.	Cabergoline	MV-22-009	K ₂ EDTA	Human Plasma	LLE	API 4000	1.007	81.378	pg/mL
87.	Metoprolol	MV-22-011	K ₂ EDTA	Human Plasma	LLE	API 4000	0.502	400.762	ng/mL
88.	Lenvatinib	MV-22-012	K ₂ EDTA	Human Plasma	LLE	API 4000 & API 4500	0.201	160.281	ng/mL
89.	Rabeprazole	MV-22-013	K ₂ EDTA	Human Plasma	PPT	API 4000	2.013	1514.402	ng/mL
90.	Ticagrelor & Desethoxy Hydroxy Ticagrelor	MV-22-014	K ₂ EDTA	Human Plasma	LLE	API 4500	5.024	1203.689	ng/mL
							2.006	402.286	ng/mL
91.	Apalutamide	MV-22-015	K ₂ EDTA	Human Plasma	LLE	API 4000	5.025	1500.316	ng/mL
92.	Trametinib	MV-22-016	K ₂ EDTA	Human Plasma	LLE	API 4000	0.211	60.402	ng/mL
93.	Mirabegron	MV-22-019	K ₂ EDTA	Human Plasma	PPT	API 4000	0.200	100.548	ng/mL
94.	Atovaquone	MV-22-020	K ₂ EDTA	Human Plasma	LLE	API 4000	50.017	25005.774	ng/mL

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95.	Abiraterone	MV-22-006	K ₂ EDTA	Human Plasma	LLE	API 4000	0.500	400.106	ng/mL
96.	Abiraterone	MV-22-017	K ₂ EDTA	Human Plasma	LLE	API 4000	2.005	2001.334	ng/mL
97.	Losartan + Losartan carboxylic acid +Hydrochlorothiazide	MV-22-010	K ₂ EDTA	Human Plasma	LLE	API 4500	5.050	3015.012	ng/mL
							5.023	3006.465	ng/mL
							1.040	501.737	ng/mL
98.	Ketorolac	MV-22-025	K ₂ EDTA	Human Plasma	LLE	API 4500	10.006	3500.366	ng/mL
99.	Pitolisant	MV-22-022	-	Human Serum	LLE	API 4000	0.102	80.168	ng/mL
100.	Dextromethorphan + Dextrorphan	MV-22-021	K ₂ EDTA	Human Plasma	LLE	API 4000	5.043	6017.337	pg/mL
							10.008	10015.838	pg/mL
101.	Bupropion + Hydroxy Bupropion + Erythro Hydroxy Bupropion + Threo Hydroxy Bupropion	MV-22-024	K ₂ EDTA	Human Plasma	LLE	API 4000	0.500	600.064	ng/mL
							2.002	2000.152	ng/mL
							1.002	200.255	ng/mL
							2.007	1000.371	ng/mL
102.	Domperidone	MV-22-028	K ₂ EDTA	Human Plasma	LLE	API 4000	0.205	100.523	ng/mL
103.	Haloperidol	MV-23-001	K ₂ EDTA	Human Plasma	LLE	API 4000	10.001	3027.475	pg/mL
104.	Rabeprazole	MV-22-027	K ₂ EDTA	Human Plasma	PPT	API 4000	2.004	2003.592	ng/mL

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105.	Ripretinib	MV-23-002	K ₂ EDTA	Human Plasma	LLE	API 4000	0.504	450.421	ng/mL
106.	Gefitinib	MV-23-007	K ₂ EDTA	Human Plasma	LLE	API 4000	1.000	502.022	ng/mL
107.	Ticagrelor & Desethoxy Hydroxy Ticagrelor	MV-23-011	K ₂ EDTA	Human Plasma	LLE	API 4500	2.008	1608.130	ng/mL
							1.003	402.544	ng/mL
108.	Dextromethorphan + Dextrorphan	MV-23-012	K ₂ EDTA	Human Plasma	LLE	API 4000	5.027	20319.310	pg/mL
							10.025	10116.267	pg/mL
109.	Baricitinib	MV-23-013	K ₂ EDTA	Human Plasma	LLE	API 4000	0.101	100.739	ng/mL
110.	Rivaroxaban	MV-23-014	K ₂ EDTA	Human Plasma	LLE	API 4000	0.504	704.705	ng/mL
111.	Pantoprazole	MV-23-018	K ₂ EDTA	Human Plasma	PPT	API 4000	7.002	7003.824	ng/mL
112.	Tofacitinib	MV-23-019	K ₂ EDTA	Human Plasma	LLE	API 4000	0.403	403.382	ng/mL