

As on 31 May 2011

List of validated methods (Nonproprietary)

Sl. No.	Drug/Metabolite	Method	Matrix	Range	Anticoagulant
1	Alfuzosin	LC-MS/MS	Plasma	0.2 - 25.0 ng/mL	CPDA
2	Amlodipine	LC-MS/MS	Plasma	0.10118 to 20.236 ng/mL	K.EDTA
3	Atomterher and dihydroartemisinin	LC-MS/MS	Plasma	2.5046 - 299.96 ng/mL and 2.5040 - 299.88 ng/mL	K.EDTA
4	Atorvastatin	LC-MS/MS	Plasma	0.20 - 136.2 ng/mL	CPDA
5	Atorvastatin, o-OH atorvastatin, p-OH atorvastatin	LC-MS/MS	Plasma	0.25 - 149.638 ng/mL for Atorvastatin, 0.25 - 149.699 ng/mL for o-OH atorvastatin and 0.063 - 37.536 ng/mL p-OH atorvastatin	K.EDTA
6	Balsalazide	LC-MS/MS	Plasma	0.5 - 93.5 ng/mL	CPDA
7	Cetirizine	LC-MS/MS	Plasma	0.73030 - 760.75 ng/mL	CPDA
8	Citalopram	LC-MS/MS	Plasma	0.27814 - 200.68 ng/mL	CPDA
9	Coenzyme Q10	LC-MS/MS	Plasma	200.62 - 4498.4 ng/mL	K.EDTA
10	Diclofenac	LC-MS/MS	Plasma	0.103 - 103.29 ng/mL	Sodium Heparin
11	Digoxin	LC-MS/MS	Serum	0.05 - 7.92 ng/mL	-
12	Domperidone	LC-MS/MS	Plasma	0.25 - 201.9 ng/mL	CPDA
13	Elavirenz	HPLC-UV	Plasma	0.02 - 22.9 µg/mL	CPDA
14	Everolimus	LC-MS/MS	Whole blood	0.4 - 40 ng/mL	K.EDTA
15	Ezetimibe	LC-MS/MS	Plasma	0.0915 - 25.8 ng/mL	CPDA
16	Fluvastatin	LC-MS/MS	Plasma	2.0 - 964.5 ng/mL	CPDA
17	Fosinopril and Fosinoprilat	LC-MS/MS	Plasma	0.49 - 395.2 ng/mL and 0.97 - 785.3 ng/mL	CPDA
18	Ibuprofen	LC-MS/MS	Plasma	0.25 - 100.0 ng/mL	K.EDTA
19	Ibuprofen	LC-MS/MS	Plasma	0.100 - 50 µg/mL	K.EDTA
20	Isradipine	LC-MS/MS	Plasma	0.075390 to 10.047 ng/mL	K.EDTA
21	Isradipine	LC-MS/MS	Plasma	75.029 to 10030.871 µg/mL	K.EDTA
22	Itraconazole	LC-MS/MS	Plasma	1.0852 - 401.9 ng/mL	CPDA
23	Levetiracetam	HPLC-UV	Plasma	0.5 - 40.0 µg/mL	CPDA
24	Lopinavir	HPLC-UV	Plasma	0.1 - 24.7 µg/mL	CPDA
25	Lopinavir and Ritonavir	LC-MS/MS	Plasma	51.540 -16042 ng/mL and 5.2502 - 1634.2 ng/mL	K.EDTA
26	Lumefantrine	LC-MS/MS	Plasma	100.04 - 15216 ng/mL	K.EDTA
27	Mecamylamine	LC-MS/MS	Plasma	10 - 5209.5 µg/mL	CPDA
28	Meloxicam	LC-MS/MS	Plasma	9.2 - 2032.0 ng/mL	CPDA
29	Mesalazine	LC-MS/MS	Plasma	14.2 - 1123.9 ng/mL	CPDA
30	Mesalazine	HPLC-FL	Plasma	5.806 - 508.6 ng/mL	CPDA
31	Mefformin	HPLC-UV	Plasma	0.09 - 6.22 µg/mL	CPDA
32	Mycophenolic acid	HPLC-UV	Plasma	0.2 - 25.022 µg/mL	K.EDTA
33	Mycophenolic acid	LC-MS/MS	Plasma	0.049 - 25.163 µg/mL	K.EDTA
34	Mycophenolate mofetil	LC-MS/MS	Plasma	0.05 - 5.0 ng/mL	K.EDTA
35	Mycophenolate mofetil	LC-MS/MS	Plasma	0.025 - 5.0 ng/mL	K.EDTA
36	Nifedipine	LC-MS/MS	Plasma	0.2 - 140 ng/mL	CPDA
37	Olopatadine	LC-MS/MS	Plasma	1.0023 to 200.46 ng/mL	K.EDTA
38	Omeprazole	LC-MS/MS	Plasma	5.0035 - 1000.8 ng/mL	K.EDTA
39	Osetamivir	LC-MS/MS	Plasma	2.0 - 203.3 ng/mL	K.EDTA
40	Oxcarbazepine	LC-MS/MS	Plasma	10 - 6865.2 ng/mL	CPDA
41	Oxybutynin and desethyl oxybutynin	LC-MS/MS	Plasma	50 - 8944.8 ng/mL and 0.1 - 18.0 ng/mL	CPDA
42	Paracetamol	LC-MS/MS	Plasma	50.085 to 9998.0 ng/mL	K.EDTA
43	Paliperidone	LC-MS/MS	Plasma	0.25458 - 25.248 ng/mL	K.EDTA
44	Peniclovir	LC-MS/MS	Plasma	25 - 8000 ng/mL	K.EDTA
45	Rabeprazole	LC-MS/MS	Plasma	2.0 - 1498.6 ng/mL	CPDA
46	Ritonavir	HPLC-UV	Plasma	0.1 - 12.7 µg/mL	CPDA
47	Rosuvastatin	LC-MS/MS	Plasma	0.51536 to 80.230 ng/mL	K.EDTA
48	Simvastatin and b-OH-simvastatin	LC-MS/MS	Plasma	0.25 - 50 ng/ml. (Simvastatin), 0.149 - 29.88 ng/mL (b-OH-simvastatin)	CPDA
49	Sirolimus	HPLC-UV	Whole blood	2.5 - 75 ng/mL	CPDA
50	Sirolimus	LC-MS/MS	Whole blood	0.27 - 52.3 ng/mL	CPDA
51	Sirolimus	LC-MS/MS	Whole blood	0.25592 to 25.254 ng/mL	K.EDTA
52	Tramadol and O-desmethyl Tramadol	LC-MS/MS	Plasma	1.2528 to 250.54 ng/mL and 0.25138 to 50.272 ng/mL	K.EDTA
53	Tacrolimus	LC-MS/MS	Whole blood	0.2 - 87.9 ng/mL	CPDA
54	Tacrolimus	LC-MS/MS	Whole blood	0.250 - 80.000 ng/mL	K.EDTA
55	Trimetazidine	LC-MS/MS	Plasma	1 - 200 ng/mL	K.EDTA
56	Tropium	LC-MS/MS	Plasma	25 - 15000 µg/mL	K.EDTA
57	Valsartan	LC-MS/MS	Plasma	25 - 10058 ng/mL	K.EDTA
58	Voriconazole	HPLC-UV	Plasma	0.05 - 20.4 µg/mL	CPDA
59	Ziprasidone	LC-MS/MS	Plasma	0.5 - 512.25 ng/mL	K.EDTA
60	Rizatriptan	LC-MS/MS	Plasma	0.508-102.81ng/mL	Sodium Heparin

List of methods under development/validation

Sl. No.	Drug/Metabolite	Method	LOQ
1	PGE-M	LC-MS/MS	-
2	Mosapride	LC-MS/MS	-
3	Paracetamol and Diclofenac	LC-MS/MS	-
4	Spironolactone	LC-MS/MS	-
5	Meloxicam	LC-MS/MS	-
6	Triarterene	LC-MS/MS	-
7	Creatinine	LC-MS/MS	-
8	Candesartan	LC-MS/MS	-
9	Pioglitazone	LC-MS/MS	-
10	Prasugrel	LC-MS/MS	-
11	Ezetimibe	LC-MS/MS	-

1*	IN-105	LC-MS/MS	1.0 ng/mL
2*	Insulin	LC-MS/MS	1.0 ng/mL

*Partially validated assays

(Note: Some proprietary assays are not included in the list)