



**JUNE  
2021**

*Equilab*  
International

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BIOANALYTICAL LIST

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No	Compound	Method	Biological Matrix	LLOQ (ng/mL)
<b>ANTI-ALLERGY &amp; OTOLARYNGOLOGICAL DRUGS</b>				
1	Betamethasone + Loratadine	LC-MS/MS	Plasma	0.1 + 0.1
2	Cetirizine	HPLC-UV	Plasma	10
3	Cetirizine + Pseudoephedrine	HPLC-UV & LC-MS/MS	Plasma	10 + 20
4	Cinnarizine	LC-MS/MS	Plasma	10
5	Descarboethoxy Loratadine (Desloratadine)	LC-MS/MS	Plasma	0.05
6	Descarboethoxy Loratadine (Desloratadine) + Pseudoephedrine	LC-MS/MS	Plasma	0.05 + 5
7	Dextromethorphan + Cetirizine + Pseudoephedrine	HPLC-UV & LC-MS/MS	Plasma	1 + 10 + 20
8	Fexofenadine	HPLC-UV	Plasma	10
9	Levocetirizine	LC-MS/MS	Plasma	5
10	Loratadine	LC-MS/MS	Plasma	0.1
11	Loratadine + Dextromethorphan + Pseudoephedrine	LC-MS/MS	Plasma	0.1 + 1 + 20
12	Loratadine + Pseudoephedrine	LC-MS/MS	Plasma	0.1 + 20
13	Pseudoephedrine + Triprolidine	LC-MS/MS	Plasma	20 + 0.2
14	Triprolidine	LC-MS/MS	Plasma	0.2
<b>ANTIBIOTIC, ANTIMALARIA &amp; ANTIFUNGAL</b>				
15	Amoxicillin	LC-MS/MS	Plasma	100
16	Amoxicillin + Clavulanic Acid	LC-MS/MS	Plasma	100 + 10
17	Azithromycin	LC-MS/MS	Plasma	1
18	Budesonide	LC-MS/MS	Plasma	0.01
19	Cefadroxil	HPLC-UV	Plasma	500
20	Cefdinir	HPLC-UV	Plasma	50
21	Cefixime	HPLC-UV	Plasma	50
22	Cefuroxime	HPLC-UV	Plasma	100
23	Cephalexin	HPLC-UV	Plasma	250
24	Ciprofloxacin	HPLC-UV	Plasma	40
25	Clavulanic Acid	LC-MS/MS	Plasma	10
26	Dihydroartemisinin	LC-MS/MS	Plasma	0.5
27	Dihydroartemisinin + Piperaquine	LC-MS/MS	Plasma	0.5 + 1
28	Doxycycline	HPLC-UV	Plasma	50
29	Ethambutol	LC-MS/MS	Plasma	40
30	Fluconazole	HPLC-UV	Plasma	100
31	Hydroxychloroquine	LC-MS/MS	Plasma	5
32	Isoniazid	LC-MS/MS	Plasma	80
33	Isoniazid + Pyrazinamide	LC-MS/MS	Plasma	100 + 500
34	Itraconazole	LC-MS/MS	Plasma	1
35	Ketoconazole	HPLC-UV	Plasma	100
36	Levofloxacin	HPLC-UV	Plasma	50
37	Minocycline	HPLC-UV	Plasma	50
38	Moxifloxacin	HPLC-UV	Plasma	20
39	Ofloxacin	HPLC-UV	Plasma	100
40	Piperaquine	LC-MS/MS	Plasma	1
41	Pyrazinamide	HPLC-UV	Plasma	500
42	Rifampicin	HPLC-UV	Plasma	80
43	Rifampicin + Isoniazide	LC-MS/MS	Plasma	80 + 80

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44	Rifampicin + Pyrazinamide	LC-MS/MS	Plasma	100 + 500
45	Rifampicin + Ethambutol	LC-MS/MS	Plasma	100 + 40
46	Rifampicin + Isoniazide + Ethambutol + Pyrazinamide	LC-MS/MS	Plasma	100 + 100 + 40 + 500
47	25-desacetyl rifampicin (Rifampicin metabolite)	HPLC-UV	Plasma	50
<b>ANTI-DIABETIC DRUGS</b>				
48	Glibenclamide	LC-MS/MS	Plasma	1
49	Gliclazide	HPLC-UV	Plasma	80
50	Glimepiride	LC-MS/MS	Plasma	2
51	Glipizide	HPLC-UV	Plasma	20
52	Gliquidone	HPLC-UV	Plasma	10
53	Metformin	HPLC-UV	Plasma	10
54	Metformin + Glimepiride	HPLC-UV & LC-MS/MS	Plasma	10 + 2
55	Pioglitazone	HPLC-UV	Plasma	30
56	Repaglinide	LC-MS/MS	Plasma	0.2
57	Sitagliptin	LC-MS/MS	Plasma	10
58	Sitagliptin + Metformin	LC-MS/MS & HPLC-UV	Plasma	10 + 10
59	Vildagliptin	LC-MS/MS	Plasma	2
<b>ANTIEMETIC</b>				
60	Domperidone	LC-MS/MS	Plasma	0.2
61	Granisetron	LC-MS/MS	Plasma	0.2
62	Metoclopramide	LC-MS/MS	Plasma	1
<b>ANTIDYSLIPIDEMIA</b>				
63	Atorvastatin	LC-MS/MS	Plasma	0.1
64	Atorvastatin + ortho-hydroxy atorvastatin + para-hydroxy atorvastatin	LC-MS/MS	Plasma	0.1 + 0.1 + 0.05
65	Ezetimibe (unconjugated)	LC-MS/MS	Plasma	0.1
66	Ezetimibe glucuronide (total)	LC-MS/MS	Plasma	3
67	Ezetimibe + Simvastatin	LC-MS/MS	Plasma	0.1 + 0.05
68	Fenofibric acid (Fenofibrate's metabolite)	HPLC-UV	Plasma	100
69	Lovastatin	LC-MS/MS	Plasma	0.08
70	Lovastatin acid (Lovastatin's metabolite)	LC-MS/MS	Plasma	0.2
71	Ortho-hydroxy atorvastatin (Atorvastatin's metabolite)	LC-MS/MS	Plasma	0.1
72	Para-hydroxy atorvastatin (Atorvastatin's metabolite)	LC-MS/MS	Plasma	0.05
73	Pitavastatin	LC-MS/MS	Plasma	1
74	Pravastatin	LC-MS/MS	Plasma	0.40
75	Rosuvastatin	LC-MS/MS	Plasma	0.5
76	Simvastatin	LC-MS/MS	Plasma	0.05
<b>ANTI-INFLAMMATORY, ANALGESICS, ANTIPYRETICS &amp; ANTITUSSIVE</b>				
77	Acetylsalicylic Acid / Aspirin / Acetosal	HPLC-UV	Plasma	25
78	Acetylsalicylic Acid + Salicylic Acid	HPLC-UV	Plasma	25 + 500
79	Codeine	LC-MS/MS	Plasma	0.5
80	Diclofenac	HPLC-UV	Plasma	20

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81	Diosmetin	LC-MS/MS	Plasma	0.20
82	Celecoxib	HPLC-UV	Plasma	10
83	Etoricoxib	HPLC-UV	Plasma	5
84	Ibuprofen	HPLC-UV	Plasma	200
85	Ketoprofen	HPLC-UV	Plasma	50
86	Meloxicam	HPLC-UV	Plasma	30
87	Naproxen	HPLC-UV	Plasma	500
88	Rhein (Diacerein's metabolite)	HPLC-UV	Plasma	200
<b>ANTINEOPLASTIC AGENT</b>				
89	Gefitinib	LC-MS/MS	Plasma	1
<b>ANTIOSTEOPOROSIS</b>				
90	Alendronat	HPLC-FL	Urine	5
91	Risedronate	HPLC-UV	Urine	10
<b>ANTIVIRAL</b>				
92	Acyclovir	LC-MS/MS	Plasma	20
93	Efavirenz	HPLC-UV	Plasma	100
94	Efavirenz + Lamivudine	LC-MS/MS	Plasma	20 + 20
95	Entecavir	LC-MS/MS	Plasma	0.20
96	Lamivudine	HPLC-UV	Plasma	25
97	Lamivudine + Zidovudine	HPLC-UV	Plasma	25 + 20
98	Osetamivir Acid	LC-MS/MS	Plasma	10
99	Stavudine	HPLC-UV	Plasma	30
100	Tenofovir	LC-MS/MS	Plasma	0.3
101	Tenofovir Alafenamide + Tenofovir	LC-MS/MS	Plasma	2 + 0.3
102	Tenofovir Alafenamide	LC-MS/MS	Plasma	2
103	Valacyclovir	LC-MS/MS	Plasma	4
104	Zidovudine	HPLC-UV	Plasma	50
<b>ANTIVERTIGO</b>				
105	2-pyridil acetic acid (Betahistine's metabolite)	LC-MS/MS	Plasma	10
106	Flunarizine	LC-MS/MS	Plasma	1
<b>CARDIOVASCULAR</b>				
107	Amlodipine	LC-MS/MS	Plasma	0.05
108	Amlodipine + Candesartan	LC-MS/MS	Plasma	0.05 + 0.5
109	Amlodipine + Valsartan	LC-MS/MS & HPLC-FL	Plasma	0.05 + 50
110	Atenolol	LC-MS/MS	Plasma	5
111	Bisoprolol	LC-MS/MS	Plasma	0.4
112	Candesartan	LC-MS/MS	Plasma	0.5
113	Canrenone (Spironolactone's metabolite)	HPLC-UV	Plasma	2.5
114	Carvedilol	HPLC-FL	Plasma	5
115	Captopril	LC-MS/MS	Plasma	5
116	Captopril + Hydrochlorothiazide	LC-MS/MS & HPLC-UV	Plasma	5 + 10
117	Diltiazem	HPLC-UV	Plasma	5
118	Dipyridamole	HPLC-UV	Plasma	10
119	Felodipine	LC-MS/MS	Plasma	0.2
120	Hydrochlorothiazide	HPLC-UV	Plasma	10
121	Indapamide	LC-MS/MS	Plasma	0.5
122	Irbesartan	HPLC-FL	Plasma	25

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123	Isosorbide-5-mononitrate	LC-MS/MS	Plasma	1
124	Lercanidipine	LC-MS/MS	Plasma	0.05
125	Lisinopril	LC-MS/MS	Plasma	1
126	Losartan	LC-MS/MS	Plasma	5.0
127	Losartan carboxylic acid (Losartan's metabolite)	LC-MS/MS	Plasma	5.0
128	Losartan + Losartan Carboxylic Acid	LC-MS/MS	Plasma	5 + 5
129	Metoprolol	HPLC-FL	Plasma	5
130	Nebivolol	LC-MS/MS	Plasma	0.03
131	Nifedipine	LC-MS/MS	Plasma	1
132	Perindopril	LC-MS/MS	Plasma	0.5
133	Perindoprilat (Perindopril's metabolite)	LC-MS/MS	Plasma	0.5
134	Perindopril + Perindoprilat	LC-MS/MS	Plasma	0.5 + 0.5
135	Phenytoin	LC-MS/MS	Plasma	10.0
136	Ramipril	LC-MS/MS	Plasma	0.3
137	Ramiprilat (Ramipril's metabolite)	LC-MS/MS	Plasma	0.5
138	Ramipril + Ramprilat	LC-MS/MS	Plasma	0.3 + 0.5
139	Salicylic acid	HPLC-UV	Plasma	500
140	Spironolactone	LC-MS/MS	Plasma	2.5
141	Telmisartan	LC-MS/MS	Plasma	4
142	Telmisartan + Amlodipine	LC-MS/MS	Plasma	4 + 0.05
143	Valsartan	HPLC-FL	Plasma	50
144	Furosemide	HPLC-UV	Plasma	10
<b>ANTICONVULSANT</b>				
145	Clobazam (parent compound)	LC-MS/MS	Plasma	1
146	Clobazam + N-desmethyclobazam	LC-MS/MS	Plasma	1 + 0.5
147	N-desmethyclobazam (metabolite)	LC-MS/MS	Plasma	0.5
<b>CORTICOSTEROID, HORMONES &amp; CONTRACEPTIVES</b>				
148	17-β-Estradiol	LC-MS/MS	Plasma	0.01
149	Betamethasone	LC-MS/MS	Plasma	0.1
150	Cyproterone Acetate	LC-MS/MS	Plasma	0.50
151	Cyproterone Acetate + Ethinylestradiol	LC-MS/MS	Plasma	0.5 + 0.003
152	Drospirenone	LC-MS/MS	Plasma	2.50
153	Drospirenone + Ethinylestradiol	LC-MS/MS	Plasma	2.5 + 0.003
154	Ethinylestradiol	LC-MS/MS	Plasma	0.003
155	Etonogestrel / 3-ketodesogestrel	LC-MS/MS	Plasma	0.03
156	Levonorgestrel	LC-MS/MS	Plasma	0.05
157	Levonorgestrel + Ethinylestradiol	LC-MS/MS	Plasma	0.05 + 0.003
158	Levothyroxine	LC-MS/MS	Plasma	5.00
159	Medroxyprogesterone acetate	LC-MS/MS	Plasma	0.05
160	Melatonin	LC-MS/MS	Plasma	0.005
161	Methylprednisolone	LC-MS/MS	Plasma	1
162	Norethisterone	LC-MS/MS	Plasma	1
163	Progesterone	LC-MS/MS	Plasma	0.20
<b>DRUG ACTING ON CENTRAL NERVOUS SYSTEM</b>				
164	Alprazolam	LC-MS/MS	Plasma	0.4
165	Aripiprazole	LC-MS/MS	Plasma	0.5
166	Clozapine	LC-MS/MS	Plasma	1
167	Donepezil	LC-MS/MS	Plasma	0.1
168	Gabapentin	LC-MS/MS	Plasma	50



No	Compound	Method	Biological Matrix	LLOQ (ng/mL)
169	Galantamine	LC-MS/MS	Plasma	0.4
170	Levetiracetam	HPLC-UV	Plasma	500
171	Memantine	LC-MS/MS	Plasma	1
172	Olanzapine	LC-MS/MS	Plasma	0.2
173	Pramipexole	LC-MS/MS	Plasma	0.02
174	Pregabalin	LC-MS/MS	Plasma	10
175	Risperidone	LC-MS/MS	Plasma	0.1
176	Valproic acid (Divalproex sodium's metabolite)	LC-MS/MS	Plasma	200
177	Zolpidem	LC-MS/MS	Plasma	5
<b>DRUG ACTING ON GASTROINTESTINAL SYSTEM</b>				
178	Docusate	LC-MS/MS	Plasma	5.00
179	Esomeprazole	LC-MS/MS	Plasma	50
180	Famotidine	LC-MS/MS	Plasma	1
181	Lansoprazole	HPLC-UV	Plasma	20
182	Mesalazine	LC-MS/MS	Plasma	5
183	Omeprazole	LC-MS/MS	Plasma	2
184	Pantoprazole	LC-MS/MS	Plasma	50
185	Rabeprazole	LC-MS/MS	Plasma	5
186	Rebamipide	HPLC-UV	Plasma	5
187	Ursodiol	LC-MS/MS	Plasma	75
<b>DRUG ACTING ON RESPIRATORY SYSTEM</b>				
188	Dextromethorphan	LC-MS/MS	Plasma	1
189	Erdosteine	LC-MS/MS	Plasma	25
190	Montelukast	HPLC-FL	Plasma	5
191	Pseudoephedrine	LC-MS/MS	Plasma	5
192	Roflumilast	LC-MS/MS	Plasma	0.1
193	Theophylline	HPLC-UV	Plasma	200
<b>DRUG FOR BLADDER &amp; PROSTATE DISORDERS</b>				
194	Tamsulosin	LC-MS/MS	Plasma	0.1
195	Terazosin	LC-MS/MS	Plasma	1
<b>ANTICOAGULANT &amp; ANTIPLATELET</b>				
196	Apixaban	LC-MS/MS	Plasma	1
197	Cilostazol	LC-MS/MS	Plasma	10
198	Clopidogrel	LC-MS/MS	Plasma	0.005
199	Clopidogrel + metabolites	LC-MS/MS	Plasma	0.005 + 5
200	Deferiprone	HPLC-UV	Plasma	250
201	Rivaroxaban	LC-MS/MS	Plasma	2
202	Ticagrelor	LC-MS/MS	Plasma	10
203	Warfarin	LC-MS/MS	Plasma	5
<b>DRUG FOR ERECTILE DYSFUNCTION</b>				
204	Piperazine-N-desmethylsildenafil (Sildenafil's metabolite)	LC-MS/MS	Plasma	4
205	Sildenafil	LC-MS/MS	Plasma	10
206	Sildenafil + metabolites	LC-MS/MS	Plasma	10 + 4
207	Tadalafil	LC-MS/MS	Plasma	5
<b>DRUG FOR PARKINSON'S DISEASE</b>				
208	Carbidopa	LC-MS/MS	Plasma	3
209	Entacapone	LC-MS/MS	Plasma	30



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210	Levodopa	LC-MS/MS	Plasma	30
211	Levodopa + Carbidopa + Entacapone	LC-MS/MS	Plasma	5 + 30 + 30
<b>DRUG FOR RHEUMATOID ARTHRITIS</b>				
212	Febuxostat	LC-MS/MS	Plasma	100
<b>IMMUNOSUPPRESSANT</b>				
213	Mycophenolic Acid	LC-MS/MS	Plasma	10

#### IDENTIFIED & UNDER DEVELOPMENT BIOANALYTICAL METHOD

No	Compound	Method	Biological Matrix	LLOQ (ng/mL)
1	Nitroglycerin	LC-MS/MS	Plasma	0.01

June, 2021



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Bioavailability/Biequivalence  
Studies and Clinical Trials

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