

LIST OF BIOANALYTICAL METHODS

S.No.	Analyte	Species	Matrix	LLOQ – ULOQ
1	10-hydroxy Oxcarbazepine	Human	Plasma	100 - 10000 ng/mL
2	3,4 DehydroCilostazole	Human	Plasma	5 - 400 ng/mL
3	6-Oxo- Boldione	Rat	Plasma	0.2 ng/mL - 20 ng/mL
4	Abacavir	Human	Plasma	40 - 4000 ng/mL
5	Acitretin	Dog	Plasma	2 - 1000 ng/mL
6	Almotriptan	Human	Plasma	0.1 – 250 ng/mL
7	Almotriptan	Rat	Plasma	0.1 - 20 ng/mL
8	Ambrisentan	Human	Plasma	0.1 – 100 ng/mL
9	Ambrisentan	Rat	Plasma	0.1 - 100 ng/mL
10	Amisulpride	Human	Plasma	0.1 - 100 ng/mL
11	Amlodipine	Human	Plasma	0.1 - 25 ng/mL
12	Amoxicillin	Human	Plasma	0.2 - 20 µg/mL
13	Amphotericin-B	Rat	Plasma	5 - 2000 ng/mL
14	Apixaban	Dog	Plasma	5 - 2000 ng/mL
15	Apomorphine	Rat	Plasma	0.2 - 700 ng/mL
16	Apomorphine	Rat	Plasma	0.1 - 100 ng/mL
17	Apremilast	Dog	Plasma	2 - 5000 ng/mL
18	Aprepitant (Fosapretant)	Dog	Plasma	10 - 10000 ng/mL
19	Aprepitant (Fosapretant)	Rat	Plasma	5.0 - 2000 ng/mL
20	Aripiprazole	Human	Plasma	30 - 2000 ng/mL
21	Arpiprazole	Rat	Plasma & Brain	1 - 1000 ng/mL or g
22	Artemether	Human	Plasma	10 – 1000 ng/mL
23	Artemether	Rabbit	Plasma	5.0 - 2500 ng/mL
24	Aspirin	Human	Plasma	0.25 - 50 µg/mL
25	Atorvastatin	Rat	Plasma	0.1 - 100 ng/mL
26	Atomoxetine	Human	Plasma	20 - 3000 ng/mL
27	Atorvastatin	Human	Plasma	0.1 - 10 ng/mL
28	Atorvastatin	Human	Plasma	0.1 - 20 ng/mL
29	Atorvastatin	Human	Plasma	1 - 200 ng/mL
30	Azithromycin	Human	Plasma	25 - 2500 ng/mL
31	Azithromycin	Human	Plasma	5 - 500 ng/mL
32	Bendamustine	Rat	Plasma	10 - 10000 ng/mL
33	Bendamustine	Dog	Plasma	10 - 10000 ng/mL
34	Betamethasone	Rat	Plasma & dialysate	0.1 - 100 ng/mL
35	Betamethasone	Rabbit	Plasma	0.2 - 250 ng/mL
36	Betamethasone	Dog	Plasma	0.5 - 500 ng/mL
37	Betamethasone Acetate	Rabbit	Plasma	0.5 - 250 ng/mL
38	Betamethasone Acetate	Dog	Plasma	0.5 - 500 ng/mL
39	Betamethasone Phosphate	Rabbit	Plasma	0.5 - 250 ng/mL
40	Betamethasone Phosphate	Dog	Plasma	0.5 - 500 ng/mL
41	Bexarotene	Dog	Plasma	0.5 - 4000 ng/mL
42	Brinzolamide	Rabbit	Aqueous humor	50 - 5000 ng/mL
43	Budesonide	Dog	Plasma	0.025 - 5 ng/mL

S.No.	Analyte	Species	Matrix	LLOQ – ULOQ
44	Cabazitaxel	Rat	Plasma & Tissue Homogenates	1 - 500 ng/mL
45	Caffeine	Rat	Serum	10 - 20000 ng/mL
46	Carboxylic acid analogue of Losartan	Human	Plasma	20 - 1000 ng/mL
47	Carfilzomib	Rat	Plasma	10 - 10000 ng/mL
48	Carglumic acid	Rat	Plasma	2 - 500 ng/mL
49	Cariprazine	Dog	Plasma	0.25 to 250 ng/mL
50	Carvedilol	Human	Plasma	1 - 50 ng/mL
51	Carvedilol	Mice	Plasma	0.5 - 250 ng/mL
52	Carvedilol	Mice	Epidermis & Dermis	0.5 - 100 µg/g
53	Carvedilol, OH-Phenyl Carvedilol and Desmethyl Carvedilol	Rat	Plasma	0.5 - 250, 0.05 - 25 & 0.05 to 25 ng/mL
54	Cefditoren	Human	Plasma	0.25 - 25 µg/mL
55	Celecoxib	Rat	Plasma	10 - 10000 ng/mL
56	Celecoxib	Rat Skin	Skin	0.5 - 500 µg/g
57	Cerivastatin	Human	Plasma	0.1 - 10 ng/mL
58	Cilostazole	Human	Plasma	25 - 2000 ng/mL
59	Cinacalcet	Human	plasma	0.25 – 250 ng/mL
60	Cinacalcet	Rat	Plasma	0.1 - 100 ng/mL
61	Ciprofloxacin	Human	Plasma	100 - 10000 ng/mL
62	Citalopram	Human	Plasma	2 - 1000 ng/mL
63	Clarithromycin	Human	Plasma	100 - 5000 ng/mL
64	Clofazimine	Rat	Plasma	1 - 1000 ng/mL
65	Clofazimine	Rat	Epidermis & Dermis	0.25 - 250 µg/g
66	Clonazepam	Human	Plasma	0.05 - 10 ng/mL
67	Clonidine	Human	Plasma	10 - 2000 pg/mL
68	Clopidogrel	Human	Plasma	10 - 5000 pg/mL
69	Dapagliflozin	Dog	Plasma	5 - 1000 ng/mL
70	Dapoxetine	Rat	Plasma	5 - 500 ng/mL
71	Darunavir	Rat	Plasma	1 - 1000 ng/mL
72	Dasatinib	Human	Plasma	0.5 - 200 ng/mL
73	Deferasirox	Human	Plasma	1 - 1000 ng/mL
74	Deferasirox	Dog	Plasma	0.05 - 50 µg/mL
75	Desloratadine	Human	Plasma	0.5 - 25 ng/mL
76	Dexamethasone	Rabbit	Aqueous humor	1 - 1000 ng/mL
77	Diazepam	Rat	Plasma	2 - 2000 ng/mL
78	Diclofenac	Rat	Plasma	1 - 1000 ng/mL
79	Diclofenac	Rat	Epidermis & Dermis	0.2 - 250 µg/g
80	Diclofenac	Rat	Skin	0.2 - 250 µg/g
81	Diclofenac Sodium	Rat	Plasma & Synovial Fluid	0.1 - 100 ng/mL
82	Difluprednate	Rabbit	Aqueous Humor	0.1 - 300 ng/mL
83	Difluprednate 17-Butyrate	Rabbit	Aqueous Humor	0.1 - 300 ng/mL

S.No.	Analyte	Species	Matrix	LLOQ – ULOQ
84	Dihydro ergotamine	Rabbit	Plasma	0.1 - 100 ng/mL
85	Dihydroartemesinin	Human	Plasma	10 – 1000 ng/mL
86	Dihydroartemesinin	Rabbit	Plasma	5.0 - 2500 ng/mL
87	Dihydroergotamine	Rat	Plasma	0.1 - 100 ng/mL
88	Dihydroergotamine	Rabbit	Plasma	0.1 - 100 ng/mL
89	Dihydroergotamine Diastereomer-1	Dog	Plasma	0.057 - 57 ng/mL
90	Dihydroergotamine Diastereomer-2	Dog	Plasma	0.138 - 138 ng/mL
91	Dihydroxy phenyl Glycol (DHPG)	Human	Plasma	0.2 ng/mL - 5 ng/mL
92	Dimebon	Human	Plasma	0.25 – 250 ng/mL
93	Dolutegravir	Dog	Plasma	25 - 2500 ng/mL
94	Dolutegravir	Rat	Plasma	25 - 25000 ng/mL
95	Domperidone	Human	Plasma	0.5 - 200 ng/mL
96	Domperidone	Human	Plasma	2 - 120 ng/mL
97	Donepezil	Rat	Plasma	0.05 - 50 ng/mL
98	Dopamine	Rat	Plasma	0.5 - 100 ng/mL
99	Dopamine	Rat	Brain	5 - 500 ng/g
100	Dorzolamide	Rabbit	Plasma	0.005 - 5 ng/mL
101	Dorzolamide	Rabbit	Aqueous humor	10 - 10000 ng/mL
102	Dorzolamide & Timolol	-	PBS Buffer	50 - 50000 pg/mL
103	Dorzolamide	Rabbit	Blood	5 - 5000 ng/mL
104	Dorzolamide & Timolol	Rabbit	Vitreous Humor	0.075 - 75 ng/mL
105	Doxazosin	Human	Plasma	0.2 - 1000 µg/mL
106	Doxycycline	Dog	Plasma	1 - 500 ng/mL
107	Doxycycline	Dog	GCF	1 ng/mL to 500 ng/mL
108	Dutasteride	Human	Plasma	0.1 - 25 ng/mL
109	Efavirenz	Human	Plasma	20 - 2000 ng/mL
110	Efavirenz	Dog	Plasma	0.025 - 10 µg/mL
111	Eletriptan	Rat	Plasma	1 - 1000 ng/mL
112	Emitricitabine	Human	Plasma	2 - 200 ng/mL
113	Empagliflozin	Dog	Plasma	0.025 - 25 µg/mL
114	Enalapril	Human	Plasma	5 - 500ng/mL
115	Entacapone	Human	Plasma	25 - 2500 ng/mL
116	Entacapone	Human	Plasma	30 - 3000 ng/mL
117	Epalrestat	Human	Plasma	1 - 1000 ng/mL
118	Epalrestat	Rat	Plasma	2 - 5000 ng/mL
119	Epinephrine	Rabbit	Plasma	0.1 - ng/mL
120	Eplivanserin	Rat	Plasma	2 - 2000 ng/mL
121	Escitalopram	Human	Plasma	2 - 200 ng/mL
122	Escitalopram	Rat	Plasma	1 - 1000 ng/mL
123	Esomeprazole	Human	Plasma	40 - 2400 ng/mL
124	Etofylline	Human	Plasma	100 - 10000 ng/mL
125	Etoricoxib	Human	Plasma	20 - 5000 ng/mL

S.No.	Analyte	Species	Matrix	LLOQ – ULOQ
126	Etoricoxib	Human	Plasma	50 - 6000 ng/mL
127	Exemestane	Dog	Plasma	0.1 - 5000 ng/mL
128	Faropenem	Human	Plasma	50 - 6000 ng/mL
129	Felodipine	Human	Plasma	20 - 10000 pg/mL
130	Fexofenadine	Human	Plasma	10 - 5000 ng/mL
131	Fexofenadine	Human	Plasma	10 - 5000 ng/mL
132	Fingolimod	Dog	Blood	25 - 15000 pg/mL
133	Fingolimod	Dog	Plasma	0.025 - 3 ng/mL
134	Fingolimod	Rat	Blood	1 - 200 ng/mL
135	Fingolimod phosphate	Dog	Blood	25 - 5000 pg/mL
136	Fingolimod Phosphate	Dog	Plasma	0.025 - 1 ng/mL
137	Fingolimod Phosphate	Rat	Blood	10 - 400 ng/mL
138	Fluconazole	Human	Plasma	100 - 5000 ng/mL
139	Fluvastatin	Human	Plasma	1 - 250 ng/mL
140	Fluvastatin	Human	Plasma	2 - 500 ng/mL
141	Fluvstatin	Human	Plasma	100 - 25000 ng/mL
142	Formoterol	Human	Plasma	2 - 5000 pg/mL
143	Frovatriptan	Rat	Blood	0.25 - 500 ng/mL
144	Frovatriptan	Rat	Blood	1 - 1000 ng/mL
145	Gabapentin	Human	Plasma	0.04 - 10 µg/mL
146	Gabapentin	Rat	Plasma	50 - 50000 ng/mL
147	Galantamine	Human	Plasma	0.5 - 100 ng/mL
148	Gatifloxacin	Human	Plasma	100 - 10000 ng/mL
149	Ginkgolide A	Human	Plasma	0.5 - 100ng/mL
150	Glimepiride	Human	Plasma	5 - 1000 ng/mL
151	Goserelin	Rat	Plasma	0.2 - 40 ng/mL
152	Granisetron	Human	Plasma	0.1 - 20 ng/mL
153	GS331007	Rat	Plasma	5.0 - 5000 ng/mL
154	GS331007	Dog	Plasma	5.0 - 5000 ng/mL
155	Hydrochlorothiazide	Human	Plasma	1 - 300 ng/mL
156	Hydrochlorothiazide	Human	Plasma	0.05 - 10 ng/mL
157	Ibrutinib	Dog	Plasma	0.5 - 2000 ng/mL
158	Imatinib	Human	Plasma	20 - 5000 ng/mL
159	Imatinib	Dog	Plasma	10 - 5000 ng/mL
160	Isosorbide 5 Mononitrate	Human	Plasma	20 - 2000 ng/mL
161	Itraconazole	Rat	Plasma	2 - 2000 ng/mL
162	Itraconazole and OH-Itraconazole	Rat	Skin	0.1 - 100 µg/g
163	Lacidipine	Human	Plasma	0.1 - 5 ng/mL
164	Lamivudine	Human	Plasma	10 - 2000 ng/mL
165	Lamivudine	Human	Plasma	25 - 5000 ng/mL
166	Lamotrigine	Human	Plasma	25 - 3000 ng/mL
167	Lamotrigine	Human	Plasma	5 - 500 ng/mL
168	Lansoprazole	Dog	Plasma	2 - 2000 ng/mL
169	Ledipasvir	Rat	Plasma	5.0 - 2000 ng/mL

S.No.	Analyte	Species	Matrix	LLOQ – ULOQ
170	Lenalidomide	Dog	Plasma	1 - 2000 ng/mL
171	Leuprolide	Rat	Serum	0.05 - 50 ng/mL
172	Levodopa	Rat	Plasma	15 - 3000
173	Levodopa & Carbidopa	Human	Plasma	50 - 3000 & 3 - 180 ng/mL
174	Levodopa & Carbidopa	Dog	Plasma	10 – 5000 ng/mL & 3 – 1500 ng/mL
175	Lidocaine	Rabbit	Plasma	5.0 - 5000 ng/mL
176	Linagliptan	Rabbit	Serum	10 - 10000 ng/mL
177	Lipoic Acid	Human	Plasma	0.2 - 10 µg/mL
178	Lisinopril	Human	Plasma	4 - 500 ng/mL
179	Lopinavir	Rat	Plasma	10 - 20000 ng/mL
180	Lopinavir	Rat	Plasma	10.0 - 20000 ng/mL
181	Loratadine	Human	Plasma	0.5 - 25 ng/mL
182	Losartan	Human	Plasma	20 - 1000 ng/mL
183	Lumefantrine	Human	Plasma	50 – 5000 ng/mL
184	Lumefantrine	Rabbit	Plasma	2 - 500 ng/mL
185	Memantine	Rat	Plasma	0.1 - 100 ng/mL
186	Metaxalone	Human	Plasma	50 - 5000 ng/mL
187	Metformin	Human	Plasma	20 - 2000 ng/mL
188	Metformin	Human	Plasma	50 - 5000 ng/mL
189	Metformin	Dog	Plasma	5.0 - 5000 ng/mL
190	Methyllycaconitine	Human	Plasma	0.25 – 250 ng/mL
191	Midazolam	Dog	Plasma	1 - 1000 ng/mL
192	Miglitol	Human	Plasma	100 - 6000 ng/mL
193	Mometasone	Rat	Skin	0.5 - 500 µg/g
194	Mosapride	Human	Plasma	0.5 - 200 ng/mL
195	Mosapride	Human	Plasma	2 - 80 ng/mL
196	Mycophenolate Mofetil	Human	Plasma	0.3 - 10 ng/mL
197	Mycophenolate Mofetil	Human	Plasma	300 - 15000 ng/mL
198	Naratriptan	Rat	Plasma	5.0 - 5000 ng/mL
199	Naringen	Rat	Plasma	1 - 1000 ng/mL
200	Nebivolol	Human	Plasma	0.05 - 10 ng/mL
201	Nevirapine	Human	Plasma	25 - 5000 ng/mL
202	Nevirapine	Human	Plasma	25 - 5000 ng/mL
203	Nevirapine	Human	Plasma	50 - 5000 ng/mL
204	Niclosamide	Mice	Plasma	1 - 400 ng/mL
205	Niclosamide	Mice	Skin	10.0 - 2000 µg/g
206	Nilotinib	Dog	Plasma	10-5000 ng/mL
207	Nimesulide	Rat	Knee Muscle & Synovium Tissue	1 - 2000 ng/g
208	Nimesulide	Rat	Plasma	10 - 10000 ng/mL
209	Nimesulide	Rat	Synovial Fluid	0.5 - 500 ng/mL
210	Nimodipine	Human	Plasma	0.2 - 50 ng/mL
211	Nimodipine	Rat	Plasma	0.1 - 1000 ng/mL

S.No.	Analyte	Species	Matrix	LLOQ – ULOQ
212	Nimodipine	Rat	Cerebrospinal fluid	5 - 2500 pg/mL
213	Olanzapine	Human	Plasma	0.25 - 30 ng/mL
214	Omeprazole	Horse	Plasma	5 - 5000 ng/mL
215	Ondansetron	Rabbit	Plasma	0.2- 200 ng/mL
216	o-OH Atorvastatin	Human	Plasma	0.25 - 25 ng/mL
217	o-OH Atorvastatin	Human	Plasma	0.5 - 50 ng/mL
218	Oxcarbazepine	Human	Plasma	50 - 5000 ng/mL
219	Oxcarbazepine	Human	Plasma	50 - 6000 ng/mL
220	Oxytocin	Rat	Plasma	5- 1000 pg/mL
221	Pantoprazole	Human	Plasma	50 - 5000 ng/mL
222	Paroxetine	Human	Plasma	200 - 30000 pg/mL
223	Pentoxifylline	Human	Plasma	5 - 1000 ng/mL
224	Perindopril	Human	Plasma	1 - 200 ng/mL
225	Phenylacetylglycine	Rat	Plasma	2 - 1000 ng/mL
226	Phenytoin	Human	Plasma	50 - 6000 ng/mL
227	Phenytoin	Human	Plasma	50.7 - 6090 ng/mL
228	Piperine	Rat	Plasma	1 - 2000 ng/mL
229	Pirfenidone	Dog	Plasma	0.01 - 100 µg/mL
230	Pitolisant	Human	Plasma	0.1 – 100 ng/mL
231	p-OH Atorvastatin	Human	Plasma	0.1 - 10 ng/mL
232	Pramipexole	Human	Plasma	200 - 8000 ng/mL
233	Pregabalin	Human	Plasma	1 - 10000 ng/mL
234	Propranolol	Human	Plasma	2 - 400 ng/mL
235	Pseudoephedrine	Human	Plasma	10 - 2000 ng/mL
236	Quercetin	Human	Plasma	1 - 100 ng/mL
237	Quetiapine	Human	Plasma	0.25 - 500 ng/mL
238	Rabeprazole	Human	Plasma	20 - 1000 ng/mL
239	Raltegravir	Rat	Plasma	0.01 - 25.1 µg/mL
240	Resveratrol	Rat	Plasma	4 - 2000 ng/mL
241	Rifaximin	Rat	Plasma	0.01 - 60 ng/mL
242	Rilpivirine	Dog	Plasma	2 - 2000 ng/mL
243	Rilvipirine	Rat	Plasma	2.0 - 2000 ng/mL
244	Rimonabant	Human	Plasma	0.1 - 100 ng/mL
245	Rivastigmine	Rabbit	Plasma	0.05 -10 ng/mL
246	Rizatriptan	Rat	Plasma	5.0 - 5000 ng/mL
247	Rosuvastatin	Human	Plasma	0.1 - 10 ng/mL
248	S-Amlodipine	Human	Plasma	0.05 - 10 ng/mL
249	Sarpogrelate	Human	Plasma	1 – 1000 ng/mL
250	Sibutramine	Human	Plasma	30 - 6000 pg/mL
251	Sildenafil	Human	Plasma	10 - 1000 ng/mL
252	Simvastatin	Human	Plasma	0.5 - 50 ng/mL
253	Simvastatin, Simvastatin acid Ezetimibe & Ezetimibe Glucuronide	Dog	Plasma	0.05 - 50, 0.025 - 25, 0.025 - 25 & 0.25 - 250 ng/mL

S.No.	Analyte	Species	Matrix	LLOQ – ULOQ
254	Simvastatin acid	Human	Plasma	1 - 100 ng/mL
255	Sirolimus	Human	Blood	0.5 - 250 ng/mL
256	Sitagliptin	Human	Plasma	0.1 - 250 ng/mL
257	Sitagliptin	Rat	Plasma	5 - 2000 ng/mL
258	Sofosbuvir	Dog	Plasma	5.0 - 5000 ng/mL
259	Solefenacin	Human	Plasma	0.1 - 100 ng/mL
260	Solefenacin	Rat	Plasma	2 - 1000 ng/mL
261	Sorafenib	Dog	Plasma	20- 4000 ng/mL
262	Spingosine-1-Phosphate	Mice	Plasma	50 - 1000 ng/mL
263	Stavudine	Human	Plasma	5 - 1000 ng/mL
264	Substance-P	Rat	Plasma	1 - 100 pg/mL
265	Tacrolimus	Human	Blood	0.5 - 50 ng/mL
266	Tacrolimus	Human	Plasma	0.05 - 25 ng/mL
267	Tadalafil	Human	Plasma	10 - 1000 ng/mL
268	Tamsulosin	Human	Plasma	0.5 - 100 ng/mL
269	Temozolomide	Rat	Brain	50 - 50000 ng/mL
270	Tenofovir	Human	Plasma	5 - 1000 ng/mL
271	Tenofovir	Rat	Plasma	5 - 2500 ng/mL
272	Tenofovir	Dog	Plasma	5 - 2500 ng/mL
273	Tenofovirdiphosphate	Buffer	Buffer	5 - 500 ng/mL
274	Testosterone	Rat	Serum	0.05 - 50 ng/mL
275	Testosterone	Rat	Plasma	0.2 - 40 ng/mL
276	Theophylline	Human	Plasma	100 - 10000 ng/mL
277	Timolol	-	PBS Buffer	12.5 - 125000 pg/mL
278	Tizanidine	Rat	Plasma	0.5 - 500 ng/mL
279	Tobramycin	Rabbit	Aqueous Humor	5 - 1000 ng/mL
280	Topiramate	Human	Plasma	10 - 1000 ng/mL
281	Tropicamide	Rat	Plasma & Brain	0.1 - 100 ng/mL
282	Urapidil	Human	Plasma	0.5 – 10000 ng/mL
283	Valdecoxib	Human	Plasma	10 - 500 ng/mL
284	Valproic Acid	Human	Plasma	0.5 - 60 µg/mL
285	Velpatasvir	Dog	Plasma	5 - 1000 ng/mL
286	Venlafaxine	Human	Plasma	1 - 250 ng/mL
287	Venlafaxine	Human	Plasma	5 - 500 ng/mL
288	Venlafaxine	Human	Plasma	25 - 2500 ng/mL
289	Vortioxetine	Dog	Plasma	0.25 - 500 ng/mL
290	Zidovudine	Human	Plasma	5 - 500 ng/mL
291	Zileuton	Mice	Plasma	10 - 10000 ng/mL
292	Zileuton	Mice	Epidermis & Dermis	0.1 - 100 µg/g
293	Zolmitriptan	Rat	Plasma	1 - 1000 ng/mL
294	Zolpidem	Human	Plasma	2 - 300 ng/mL
295	Zopiclone	Human	Plasma	3 - 300 ng/mL
296	Zopiclone	Human	Plasma	50 - 5000 ng/mL