



QUINTA  
ANALYTICA

# List of validated Bioanalytical methods

**QUINTA-ANALYTICA s.r.o.**  
**Bioanalytical Department**

**Quality  
in Time**

Code	Analyte	Method	LLOQ (ng/mL)	Note
1	11-Deoxycortisol	HPLC/MS/MS	0.020	determination of endogenous levels in postmenopausal women
2	17-Carboxybudesonide	HPLC/MS/MS	0.100	in dog plasma
3	17-Deacetylnorgestimate	HPLC/MS/MS	0.020	
4	17-Hydroxyprogesterone	HPLC/MS/MS	0.020	determination of endogenous levels in postmenopausal women
5	1-Adamantylethoxy-3-morpholino-2-propanol	HPLC/MS/MS	0.050	
6	2-Hydroxymethylmetronidazole	HPLC/MS/MS	4.000	
7	4-Methylaminoantipyrine (MAA)	HPLC/MS/MS	100.000	main metabolite of Metamizole
8	5'-Deoxy-5-fluorocytidine	HPLC/MS/MS	25.000	
9	5'-Deoxy-5-fluorouridine	HPLC/MS/MS	25.000	
10	5-Fluorouracil	HPLC/MS/MS	5.000	
11	5-Hydroxymethyltolterodine	HPLC/MS/MS	0.050	
12	5-Hydroxypropafenone	HPLC/MS/MS	0.500	
13	9-Hydroxyrisperidone	HPLC/MS/MS	0.100	
14	Abiraterone	HPLC/MS/MS	0.200	
15	Acetaminophen (paracetamol)	HPLC/MS/MS	250.000	
16	Acetazolamide	HPLC/MS/MS	250.000	
17	Acetylsalicylic acid	HPLC/MS/MS	25.000	common method with salicylic acid
18	Acetylsalicylic acid	HPLC/MS/MS	5.000	common method with salicylic acid
19	Aciclovir	HPLC	15.000	
20	Aciclovir	HPLC/MS/MS	5.000	
21	Agomelatine	HPLC/MS/MS	0.100	
22	Aldosterone	HPLC/MS/MS	0.010	determination of endogenous levels in postmenopausal women
23	Alendronate	HPLC/MS/MS	0.750	
24	Amlodipine	HPLC/MS/MS	0.100	
25	Amlodipine	HPLC/MS/MS	0.500	rat plasma direct injection
26	Amlodipine	chiral HPLC/MS/MS	0.200	
27	Anagrelide	HPLC/MS/MS	0.075	
28	Anastrozole	HPLC/MS/MS	0.500	
29	Androstenedione	HPLC/MS/MS	0.020	determination of endogenous levels in postmenopausal women
30	Aripiprazene	HPLC/MS/MS	0.100	
31	Aripiprazole	HPLC/MS/MS	0.400	
32	Atomoxetine	HPLC/MS/MS	5.000	
33	Atorvastatin	HPLC/MS/MS	0.800	common method with ezetimibe
34	Atorvastatin	HPLC/MS/MS	0.500	
35	Azithromycin	HPLC/MS/MS	4.000	
36	Bendroflumethiazide	HPLC/MS/MS	0.400	
37	Bicalutamide	chiral HPLC/MS/MS	1.000	
38	Bicalutamide	HPLC/MS/MS	2.000	
39	Bisoprolol	HPLC/MS/MS	0.500	
40	Bosentan	HPLC/MS/MS	5.000	
41	Budesonide	HPLC/MS/MS	0.050	in dog plasma
42	Bumetanide	HPLC	4.000	

Code	Analyte	Method	LLOQ (ng/mL)	Note
43	Caffeine	HPLC/MS/MS	100.000	common method with paraxantine
44	Candesartan	HPLC/MS/MS	2.000	
45	Capecitabine	HPLC/MS/MS	100.000	
46	Captopril (free)	HPLC/MS/MS	1.000	
47	Captopril (free)	HPLC	15.000	
48	Carbamazepine	HPLC	25.000	
49	Carvedilol	HPLC/MS/MS	1.000	
50	Carvedilol metabolite M IV	HPLC/MS/MS	0.200	
51	Cefditoren	HPLC/MS/MS	50.000	
52	Cefprozil	HPLC/MS/MS	100.000	
53	Cefuroxime	HPLC/MS/MS	50.000	
54	Celecoxib	HPLC/MS/MS	10.000	
55	Chlorambucil	HPLC/MS/MS	1.000	
56	Chlorthalidone	HPLC/MS/MS	2.000	
57	Cilostazol	HPLC/MS/MS	50.000	
58	Ciprofloxacin	HPLC/MS/MS	50.000	
59	Clobazam	HPLC/MS/MS	1.000	
60	Clozapin	GC/MS	0.600	
61	Dapagliflozin	HPLC/MS/MS	2.000	common method with linagliptin
62	Dasatinib	HPLC/MS/MS	0.250	
63	Desethoxybutynin	GC/MS	2.000	
64	Desethoxybutynin	HPLC	4.000	
65	Desloratadine	HPLC/MS/MS	0.050	
66	Desmethylfluoxetine	GC/MS	0.400	
67	Dexamethasone	HPLC/MS/MS	0.250	
68	Dexketoprofen	HPLC/MS/MS	50.000	
69	Diclofenac	HPLC/MS/MS	5.000	
70	Diosmetin-3-O-glucuronide	HPLC/MS/MS	0.050	
71	Donepezil	HPLC/MS/MS	0.200	
72	Doxazosin	HPLC	0.400	
73	Drospirenone	HPLC/MS/MS	0.500	
74	Drotaverine	HPLC/MS/MS	3.000	
75	Duloxetine	HPLC/MS/MS	0.500	
76	Emoxipine	HPLC/MS/MS	5.000	
77	Enalapril	HPLC/MS/MS	1.000	
78	Enalaprilat	HPLC/MS/MS	1.200	
79	Entecavir	HPLC/MS/MS	0.050	
80	Eplerenon	HPLC/MS/MS	10.000	
81	Epoxy-carbamazepin	HPLC	25.000	
82	Erlotinib	HPLC/MS/MS	5.000	
83	Escitalopram	HPLC/MS/MS	0.250	
84	Esomeprazole	HPLC/MS/MS	10.000	
85	Estradiol	HPLC/MS/MS	0.0008	determination of endogenous levels in postmenopausal women
86	Estrone	HPLC/MS/MS	0.001	determination of endogenous levels in postmenopausal women

Code	Analyte	Method	LLOQ (ng/mL)	Note
87	Estrone sulfate	HPLC/MS/MS	0.010	determination of endogenous levels in postmenopausal women
88	Eszopiclon	HPLC/MS/MS	0.250	
89	Ethinylestradiol	HPLC/MS/MS	0.001	
90	Everolimus	HPLC/MS/MS	1.000	in whole blood
91	Exemestane	HPLC/MS/MS	0.250	
92	Ezetimibe	HPLC/MS/MS	0.040	common method with ezetimibe glucuronide
93	Ezetimibe	HPLC/MS/MS	0.080	common method with atorvastatin
94	Ezetimibe	HPLC/MS/MS	0.050	common method with simvastatin
95	Ezetimibe glucuronide	HPLC/MS/MS	0.800	common method with ezetimibe
96	Ezetimibe glucuronide	HPLC/MS/MS	0.800	common method with atorvastatin
97	Famotidine	HPLC	2.500	
98	Fenpiverinium	HPLC/MS/MS	0.030	common method with ketorolac and pitofenone
99	Fenspiride	HPLC/MS/MS	1.000	
100	Fingolimod	HPLC/MS/MS	0.010	in whole blood
101	Fluoxetine	GC/MS	0.400	
102	Flupirtine	HPLC/MS/MS	20.000	
103	Flurbiprofen	HPLC/MS/MS	100.000	
104	Fluvoxamine	HPLC	1.500	
105	Furagin (Furazidine)	HPLC/MS/MS	2.000	
106	Ganciclovir	HPLC/MS/MS	50.000	
107	Gentamicin	HPLC/MS/MS		in animals samples
108	Gliclazide	HPLC/MS/MS	20.000	
109	Glimepiride	HPLC/MS/MS	1.000	
110	Glycoursodeoxycholic acid	HPLC/MS/MS	20.000	endogenous compound
111	Hydrochlorothiazide	HPLC/MS/MS	0.200	
112	Hydrocortisone	HPLC/MS/MS	10.000	endogenous compound
113	Hydroxyurea	HPLC/MS/MS	250.000	
114	Ibuprofen	HPLC/MS/MS	500.000	
115	Imatinib	HPLC/MS/MS	20.000	
116	Indapamide	HPLC/MS/MS	1.000	in whole blood
117	Ipidacrine	HPLC/MS/MS	0.100	
118	Irbesartan	HPLC/MS/MS	5.000	
119	Isoprinosine (DIP)	HPLC/MS/MS	80.000	
120	Isoprinosine (PACBA)	HPLC/MS/MS	200.000	
121	Ivabradine	HPLC/MS/MS	0.250	
122	Ketorolac	HPLC/MS/MS	3.000	common method with fenpiverinium and pitofenone
123	Lacidipine	HPLC/MS/MS	0.020	
124	Lenalidomide	HPLC/MS/MS	2.000	
125	Letrozole	HPLC/MS/MS	0.500	
126	Letrozole	HPLC/MS/MS	1.000	
127	Levetiracetam	HPLC/MS/MS	200.000	
128	Levocetirizine	HPLC/MS/MS	2.500	
129	Levocetirizine	HPLC/MS/MS	1.000	common method with montelukast

Code	Analyte	Method	LLOQ (ng/mL)	Note
130	Levothyroxine	HPLC/MS/MS	10.000	endogenous compound
131	Linagliptin	HPLC/MS/MS	0.100	common method with dapagliflozin
132	Linezolid	HPLC/MS/MS	200.000	
133	Liothyronine	HPLC/MS/MS	0.250	endogenous compound
134	Lisinopril	HPLC/MS/MS	1.000	
135	Losartan	HPLC/MS/MS	3.000	
136	Lovastatin	GC/MS/MS	0.150	
137	Lovastatin hydroxyacid	GC/MS/MS	0.150	
138	Megestrol acetate	HPLC/MS/MS	1.000	
139	Meloxicam	HPLC	30.000	
140	Memantine	HPLC/MS/MS	0.200	
141	Metformin	HPLC/MS/MS	10.000	
142	Methylsulfoxyethanol (MSE)	HPLC/MS/MS	200.000	
143	Metoprolol	HPLC/MS/MS	1.000	
144	Metronidazole	HPLC/MS/MS	20.000	
145	Mianserin	chiral HPLC/MS/MS	0.200	
146	Mildronate	HPLC/MS/MS	50.000	
147	Milnacipran	HPLC/MS/MS	2.000	
148	Moclobemide	HPLC	30.000	
149	Montelukast	HPLC/MS/MS	1.000	
150	Montelukast	HPLC/MS/MS	2.000	common method with levocetirizine
151	Moxifloxacin	HPLC/MS/MS	50.000	
152	Naftidrofuryl	HPLC	200.000	
153	Naproxen	HPLC/MS/MS	200.000	
154	Naproxen	HPLC/MS/MS	10.000	in urine
155	Nebivolol	HPLC/MS/MS	0.020	
156	Nerofe	HPLC/MS/MS	1 000.000	in dog plasma
157	Nitrofurantoin	HPLC/MS/MS	2.000	
158	Norgestimate	HPLC/MS/MS	0.0004	
159	O-desmethyltramadol	HPLC/MS/MS	0.500	
160	O-desmethylvenlafaxine	HPLC/MS/MS	0.500	
161	O-hydroxyatorvastatin	HPLC/MS/MS	0.400	common method with ezetimibe
162	Olanzapine	HPLC/MS/MS	0.100	
163	Olanzapine	HPLC/MS/MS	0.250	
164	Olmesartan	HPLC/MS/MS	10.000	
165	Omeprazole	HPLC/MS/MS	10.000	
166	Ondansetron	HPLC/MS/MS	1.000	
167	Oracin	HPLC	20.000	
168	Ornidazole	HPLC/MS/MS	200.000	
169	Oseltamivir	HPLC/MS/MS	0.500	
170	Oxybutynin	GC/MS	0.200	
171	Paliperidon	HPLC/MS/MS	0.200	
172	Paraxantine	HPLC/MS/MS	100.000	common method with caffeine
173	Paroxetine	HPLC/MS/MS	0.100	

Code	Analyte	Method	LLOQ (ng/mL)	Note
174	Paroxetine	HPLC/MS/MS	0.025	
175	Paroxetine metabolite	HPLC/MS/MS	0.200	
176	Pazopanib	HPLC/MS/MS	100.000	
177	Pentoxifylline	HPLC/MS/MS	1.000	
178	Pentoxifylline metabolite M1	HPLC/MS/MS	2.000	
179	Pentoxifylline metabolite M5	HPLC/MS/MS	10.000	
180	Perindopril	HPLC/MS/MS	2.500	common method with perindoprilate
181	Perindoprilate	HPLC/MS/MS	0.250	common method with perindopril
182	p-hydroxy atorvastatin	HPLC/MS/MS	0.040	common method with ezetimibe
183	Pioglitazone	HPLC/MS/MS	10.000	
184	Pioglitazone metabolite M IV	HPLC/MS/MS	5.000	
185	Pitofenone	HPLC/MS/MS	1.000	common method with ketorolac and fentanyl
186	Pizotifen	GC/MS/MS	0.050	
187	Pramipexole	HPLC/MS/MS	0.020	
188	Prednisolone	HPLC/MS/MS	3.000	
189	Pregabalin	HPLC/MS/MS	50.000	
190	Pridinol	HPLC/MS/MS	0.200	
191	Pridinol	HPLC/MS/MS	1.000	in urine
192	Propafenone	HPLC/MS/MS	1.000	
193	Propiverine	HPLC/MS/MS	0.500	
194	Quetiapine	HPLC/MS/MS	1.000	
195	Raloxifene	HPLC/MS/MS	0.010	
196	Raloxifene-4-glucoronide	HPLC/MS/MS	1.000	
197	Raloxifene-6-glucoronide	HPLC/MS/MS	0.500	
198	Ramipril	HPLC/MS/MS	0.200	
199	Ramipril	HPLC/MS/MS	0.400	common method with ramiprilate
200	Ramipril	HPLC/MS/MS	0.050	in dog plasma
201	Ramiprilate	HPLC/MS/MS	0.200	common method with ramipril
202	Ramiprilate	HPLC/MS/MS	0.500	in dog plasma
203	Ranitidin	HPLC	10.000	
204	Ranolazine	HPLC/MS/MS	25.000	
205	Rasagiline	HPLC/MS/MS	0.100	
206	Ribavirin	HPLC/MS/MS	3.000	
207	Risperidone	HPLC/MS/MS	0.100	
208	Ritonavir	HPLC/MS/MS	20.000	
209	Rizatriptan	HPLC/MS/MS	0.100	
210	Ropinirole	HPLC/MS/MS	0.100	
211	Rosuvastatin	HPLC/MS/MS	0.050	
212	Salicylic acid	HPLC	200.000	
213	Salicylic acid	HPLC/MS/MS	100.000	common method with acetylsalicylic acid
214	Salicylic acid	HPLC/MS/MS	20.000	common method with acetylsalicylic acid
215	Sildenafil	HPLC/MS/MS	1.000	
216	Sildenafil	HPLC/MS/MS	5.000	

Code	Analyte	Method	LLOQ (ng/mL)	Note
217	Simvastatin	GC/MS/MS	0.500	
218	Simvastatin	LC/MS/MS	0.500	
219	Simvastatin	LC/MS/MS	0.200	common method with ezetimibe
220	Simvastatin	LC/MS/MS	0.200	
221	Simvastatin hydroxyacid	GC/MS/MS	0.100	
222	Simvastatin hydroxyacid	LC/MS/MS	0.100	
223	Simvastatin hydroxyacid	LC/MS/MS	0.050	common method with ezetimibe
224	Sitagliptin	HPLC/MS/MS	1.000	
225	Solifenacin	HPLC/MS/MS	0.200	
226	Tadalafil	HPLC/MS/MS	5.000	
227	Tamsulosin	HPLC/MS/MS	0.200	
228	Tamsulosin	HPLC/MS/MS	0.100	
229	Tamsulosin	HPLC/MS/MS	0.050	
230	Tauroursodeoxycholic acid	HPLC/MS/MS	5.000	endogenous compound
231	Telmisartan	HPLC/MS/MS	2.000	
232	Tenofovir	HPLC/MS/MS	5.000	
233	Terbinafine	HPLC	20.000	
234	Thiocolchicoside metabolite M1	HPLC/MS/MS	1.000	
235	Tianeptine	chiral HPLC/MS/MS	2.000	
236	Ticagrelor	HPLC/MS/MS	5.000	
237	Tiotropium	HPLC/MS/MS	0.0001	
238	Tolperisone	HPLC/MS/MS	0.500	
239	Tolterodine	HPLC/MS/MS	0.050	
240	Torasemide	HPLC/MS/MS	20.000	
241	Toremifene	HPLC/MS/MS	2.000	
242	Tramadol	GC/MS	6.000	
243	Tramadol	HPLC/MS/MS	5.000	
244	Trimetazidine	HPLC/MS/MS	0.500	
245	Ulipristal	HPLC/MS/MS	0.200	
246	Uridine	HPLC/MS/MS	150.000	endogenous compound
247	Ursodeoxycholic acid	HPLC/MS/MS	10.000	endogenous compound
248	Valganciclovir	HPLC/MS/MS	5.000	
249	Valproic acid	HPLC/MS/MS	250.000	
250	Valsartan	HPLC/MS/MS	50.000	
251	Vardenafil	HPLC/MS/MS	0.250	
252	Venlafaxine	HPLC/MS/MS	10.000	in rat plasma
253	Venlafaxine	HPLC/MS/MS	0.500	
254	Vildagliptin	HPLC/MS/MS	2.000	
255	Voriconazole	HPLC/MS/MS	5.000	
256	Warfarin	HPLC	20.000	
257	Zolpidem	HPLC	1.000	plasma direct injection
258	Zopiclon	HPLC	4.000	

**QUINTA-ANALYTICA s.r.o.**  
**Bioanalytical Department**

Pražská 1486/18c  
102 00 Prague 10, Czech Republic

Tel: +420 242 454 300  
E-mail: [quinta@quinta.cz](mailto:quinta@quinta.cz)

