

List of Available Bioanalytical Methods

Name	Species	Matrix	Equipment	RANGE or LOQ
2-phenylethanol		Methanol	HPLC-UV (260 nm)	10 - 50 µg/ml
6-Mercaptopurine	Dog	Plasma	LC-MS/MS	2 - 500 ng/ml
7-Ethyl-10-Hydroxy camptothecin (Met of Irinotecan)	Human	Plasma H and EDTA	HPLC- Fluo	0,5 - 100 ng/ml
10-Hydroxy Oxcarbamazepine	Human	Plasma	HPLC	6 µg/ml
Acetylsalicylic acid	Human	Plasma H	HPLC-UV (228 nm)	0,25 - 15 µg/ml
Acyclovir	Human	Serum	HPLC	10 ng/ml
Acyclovir	Human	Plasma	LC-MS/MS	10 ng/ml
Acyclovir	Human	Urine	LC-MS/MS	100 ng/ml
Alfentanyl	Dog	Plasma	LC-MS/MS	0,05 ng/ml
Alprazolam + metabolites	Human	Plasma H-Li	LC-MS/MS	0,1 - 50 ng/ml
Alprazolam + metabolites	Human	Urine	LC-MS/MS	1 - 100 ng/ml
Amino-2-chloro-5-Benzophenone			HPLC-UV (254 nm)	
Amlodipine	Human	Plasma H-Li	LC-MS/MS	0,2 - 10 ng/ml
Amoxicillin	Pig	Plasma EDTA 3k	LC-MS/MS	50 - 5000ng/ml
Amoxicillin	Human	Serum	HPLC	50 ng/ml
Amoxicillin	Human	Urine	HPLC	50 ng/ml
Ampicillin	Pig	Plasma EDTA 3k	LC-MS/MS	50 - 5000ng/ml
Apomorphin	Human	Plasma EDTA	LC-MS	0,2 - 30 ng/ml
Apomorphin	Dog	Plasma EDTA	LC-MS	1 - 200 ng/ml
Atazanavir	Human	Plasma H-Na	LC-MS/MS	50 - 25000 ng/ml
Atracurium	Human	Plasma	HPLC	20 ng/ml
Bacitracin	Bovine	Milk	LC-MS/MS	75 ng/ml
Benzoate phenethyl benzoate		Methanol	HPLC-UV (260 nm)	0,7 - 100 µg/ml
Benzoic acid		Methanol	HPLC-UV (260 nm)	0,2 - 50 µg/ml
Benzoylecgonine	Human	Urine	GC-MS	5 µg/ml
Bromoxynil	Human	Blood	GC-MS	
Cadaverine	Bovine	Plasma	LC-MS/MS	10 ng/ml
Caffein	Human	Plasma H-Li	HPLC-UV (275 nm)	25 - 2015,5 ng/ml
Caffein	Human	Plasma	LC-MS/MS	200 ng/ml
Caffein	Human	Plasma	HPLC	1 mg/l
Candoxatril	Human	Plasma	HPLC	50 ng/ml
Candoxatril	Human	Urine	HPLC	50 ng/ml
Candoxatrilat	Human	Urine	HPLC	50 ng/ml
Carbamazepine	Human	Plasma	HPLC	0,5 µg/ml
Carbamazepine epoxide	Human	Plasma	HPLC	0,4 µg/ml
Carbofuran		Formulation	GC/FID	
Carboplatin	Human	Plasma	LC-MS/MS	50 ng/ml
Carboplatin unbound	Human	Plasma	LC-MS/MS	50 ng/ml
Carbosulfan		Formulation	HPLC-UV (280 nm)	5 - 50 µg/ml
Carbosulfan + metabolite: carbofuran		Meat, milk and eggs	LC- pickering- Fluo	25 - 250 ng/ml
Carbosulfan + metabolite: carbofuran			GC-MS	1 - 20 ng/ml met: 5 - 100 ng/ml
Cefadroxil	Human	Plasma	HPLC-UV (226 nm)	0,2 - 50 µg/ml
Cephapirin and Desacetylcephapirin	Bovine	Milk	LC-MS/MS	2,5 ng/ml
Cephapirin and Desacetylcephapirin	Bovine	Fat	LC-MS/MS	7,5 ng/gr
Cephapirin and Desacetylcephapirin	Bovine	Kidney	LC-MS/MS	12,5 ng/gr
Cephapirin and Desacetylcephapirin	Bovine	Muscle	LC-MS/MS	7,5 ng/gr
Chlorhexine	Human	Plasma H-Li	LC-MS/MS	1 - 50 ng/ml

Ciprofloxacin	Rabbit	Plasma	LC-MS/MS	2 - 100 ng/ml
Ciprofloxacin	Rabbit	Aqueous humor, palpebral conjunctiva, bulbar conjunctiva, cornea, sclera	LC-MS/MS	40 - 1000 ng/g sclera: 40 - 10000 ng/g
Cisapride	Human	Plasma H	HPLC-UV	2 - 100 ng/ml
Clavulanic acid	Human	Serum	HPLC	50 ng/ml
Clonazepam + metabolite: 7-aminoclonazepam	Human	Plasma H-Li	LC-MS/MS	0,1 - 50 ng/ml met: 0,2 - 100 ng/ml
Clonazepam + metabolite: 7-aminoclonazepam	Human	Urine	LC-MS/MS	0,1 - 50 ng/ml met: 0,2 - 100 ng/ml
Cloprostenol	Bovine	Plasma	LC-MS/MS	0,05 ng/ml
Cloprostenol	Pig	Plasma	LC-MS/MS	0,1 ng/ml
Cloricromenic acid	Beagle dog	Plasma H-Li	LC-MS/MS	20 - 2000 ng/ml
Cloricromenic acid	Rat Sd/ Mouse CD	Plasma H-Li	LC-MS/MS	5 - 2000 ng/ml
Cloricromen and cloricromen acid	Beagle dog	Plasma H-Li	LC-MS/MS	20 - 2000 ng/ml
Cocain	Human	Urine	GC-MS	5 µg/ml
Codeine	Human	Urine	GC-MS	5 µg/ml
Cronolone	Sheep	Liver	LC-MS/MS	0,25 ng/gr
Cronolone	Sheep	Fat	LC-MS/MS	0,25 ng/gr
Cronolone	Sheep	Kidney	LC-MS/MS	0,25 ng/gr
Cronolone	Sheep	Muscle	LC-MS/MS	0,25 ng/gr
Cronolone	Goat	Liver	LC-MS/MS	0,25 ng/gr
Cronolone	Goat	Fat	LC-MS/MS	0,25 ng/gr
Cronolone	Goat	Kidney	LC-MS/MS	0,25 ng/gr
Cronolone	Goat	Muscle	LC-MS/MS	0,25 ng/gr
Cyclosporin A	Human	Blood	LC-MS/MS	5 ng/ml
Desoxyminoxidil		Formulation Alopexy	HPLC-UV (240 nm)	
Dextromethorphan	Human	Plasma	LC-MS/MS	25 ng/ml
Dextromethorphan	Human	Urine	LC-MS/MS	3 ng/ml
Dextropropoxyphene + Norpropoxyphene	Human	Plasma H-Li	HPLC-UV (238 nm)	Dextro: 2 - 200 ng/ml Nor: 5 - 200 ng/ml
Dextrophan	Human	Plasma	LC-MS/MS	25 ng/ml
Dextrophan	Human	Urine	LC-MS/MS	3 ng/ml
Diclofenac	Human	Plasma	HPLC	100 ng/ml
Diclofenac	Human	Urine	HPLC	100 ng/ml
Dideoxyinosine	Human	Plasma	HPLC	100 ng/ml
Diethylene glycol monoethyl ether (DEGMEE)	Rat SD	Plasma H-Li	LC-MS/MS	200 - 5000 ng/ml
Diflunisal	Human	Plasma	HPLC	100 ng/ml
Diflunisal	Human	Urine	HPLC	100 ng/ml
Digoxin	Human	Plasma H-Na	LC-MS/MS	0,1 - 5 ng/ml
Digoxin	Human	Urine	LC-MS/MS	1 - 100 ng/ml
Diltiazem	Human	Plasma H-Li	HPLC-UV (238 nm)	5 - 500 ng/ml
Diphencyprone (DCP)	Human	Plasma H-Li acid	LC-MS/MS	0,95 - 95 ng/ml
Diphencyprone (DCP)	Human	Urine	LC-MS/MS	0,95 - 95 ng/ml
DNOC	Human	Blood	HPLC	10 ng/ml
Doxorubicin			HPLC-Fluo	4,0 - 200 ng/ml
Doxorubicin			LC-MS/MS	
Doxycycline	Human	Plasma H-Li	LC-MS/MS	50 - 5000 ng/ml
Enalapril	Human	Plasma H-Na	LC-MS/MS	0,5 - 400 ng/ml
Enalaprilat	Human	Plasma H-Na	LC-MS/MS	0,5 - 400 ng/ml
Erythromycin	Human	Plasma H-Na	LC-MS/MS	30 - 3000 ng/ml
Esomeprazole	Human	Plasma EDTA	LC-MS/MS	10 - 10000 ng/ml
Ethacrynic acid	Human	Plasma	HPLC	100 ng/ml
Ethacrynic acid	Human	Urine	HPLC	100 ng/ml
Ethinylestradiol	Human	Plasma	GC-MS	5 ng/ml
Ethosuximide	Human	Plasma	HPLC	20 µg/ml
Ethoxy ethoxy acetic acid (EEAA)	Rat SD	Plasma H-Li	LC-MS/MS	200 - 5000 ng/ml
Ethoxy ethoxy acetic acid (EEAA)	Rat SD	Urine	LC-MS/MS	5 - 100 µg/ml
Everolimus	Human	Blood	LC-MS/MS	0,5 ng/ml
Everolimus	Human	Blood	LC-MS/MS	0,1 ng/ml

Faslodex (Fulvestrant)	Human	Plasma	LC-MS/MS	0,25 ng/ml
Faslodex (Fulvestrant)	Rat	Plasma	LC-MS/MS	1 ng/ml
Felodipine	Human	Plasma	LC-MS/MS	0,5 ng/ml
Fenofibric Acid	Human	Plasma	HPLC-UV (287 nm)	0,2 - 20 µg/ml
Flunixin	Human	Plasma	HPLC	100 ng/ml
Flunixin	Human	Urine	HPLC	100 ng/ml
Flurbiprofen	Human	Blood, Plasma, Urine	LC-MS/MS	50 - 6000 ng/ml
R-, S-, Flurbiprofen	Human	Serum and Synovial Fluid	HPLC- Fluo	0,100 - 50 µg/ml
Furosemide	Human	Plasma	HPLC	100 ng/ml
Furosemide	Human	Urine	HPLC	100 ng/ml
Gabapentin	Human	Blood	LC-MS/MS	1,5 µg/ml
Ganciclovir	Human	Plasma	LC-MS/MS	10 ng/ml
Ganciclovir	Human	Urine	LC-MS/MS	100 ng/ml
Gefinitib	Human	Plasma	LC-MS/MS	0,5 ng/ml
Gefinitib	Human	Jejunal fluid	LC-MS/MS	0,5 µg/ml
Gefinitib + o-desmethyl metab	Human	Plasma	LC-MS/MS	1 ng/ml
Glibenclamide	Rabbit	Plasma	HPLC- UV (229 nm)	
Gliclazide	Human	Plasma	HPLC- UV (229 nm)	
Gliclazide	Rabbit	Plasma	HPLC- UV (229 nm)	
HCA	Rat	Plasma	HPLC- UV	
Hyperzin A	Rat SD	Plasma H-Na	LC-MS/MS	1 - 25 ng/ml
Hyperzin A	Dog beagle	Plasma H-Na	LC-MS/MS	1 - 25 ng/ml
Hypericin	Human	Plasma	HPLC- Fluo	5 - 40 ng/ml
Ibuprofen	Human	Serum	HPLC	5 µg/ml
Ibuprofen	Human	Urine	HPLC	5 µg/ml
R-, S- Ibuprofen	Human	Plasma H and Serum	HPLC- UV	0,5 - 50 µg/ml
R-, S- Ibuprofen	Human	Urine	HPLC- UV	1,25 - 125 µg/ml
Imipramin	Human	Plasma	HPLC- UV (210 nm)	
Indapamide	Human	Plasma H-Li	LC-MS/MS	1 - 10 ng/ml
Indomethacin	Human	Plasma	HPLC	100 ng/ml
Indomethacin	Human	Urine	HPLC	100 ng/ml
Ioxilan	Human	Plasma H-Na	HPLC- UV (245 nm)	0,2 - 10 mg/ml
Ioxilan	Human	Urine	HPLC- UV (245 nm)	1,0 - 30 mg/ml
Irinotecan	Human	Plasma H and EDTA	HPLC- Fluo	2 - 100 ng/ml
Itraconazole + metabolite	Human	Plasma EDTA	LC-MS/MS	2 - 250 ng/ml
Ketoconazole	Human	Plasma	HPLC- Fluo	0,1 - 8 µg/ml
Ketoprofen	Human	Plasma	HPLC	100 ng/ml
Ketoprofen	Human	Urine	HPLC	100 ng/ml
Lamotrigine	Human	Plasma	HPLC	0,5 µg/ml
Laudanosine	Human	Plasma	HPLC	20 ng/ml
Levetiracetam (Keppra)	Human	Plasma	LC-MS/MS	3 µg/ml
Levidopa (L-DOPA)	Monkey	Plasma K ₃ EDTA	LC-MS/MS	0,02 - 30 µg/ml
Levidopa (L-DOPA)	Rat	Plasma K ₃ EDTA	LC-MS/MS	0,02 - 30 µg/ml
Levonorgestrel	Human	Plasma	GC-MS	10 ng/ml
Lidocaine	Human	Plasma	GC-MS	0,1 ng/ml
Lidocain and mono n-dealkylated met			GC-MS	
Loratadine	Human	Plasma	LC-MS/MS	0,1 - 20 ng/ml
Magnolol/Honokiol		1% CMC	HPLC-UV	5 - 25 µg/ml
Magnolol/Honokiol		Propylene Glycol	HPLC-UV	1 - 25 µg/ml
Magnolol/Honokiol		1% CMC	HPLC-UV	5 - 25 µg/ml
Meclofenamic acid	Human	Plasma	HPLC	100 ng/ml
Meclofenamic acid	Human	Urine	HPLC	100 ng/ml
Mefenamic acid	Human	Plasma	HPLC	100 ng/ml
Mefenamic acid	Human	Urine	HPLC	100 ng/ml
Metformin	Human	Urine	LC-MS/MS	5 µg/ml
Metformin	Human	Plasma	LC-MS/MS	2 ng/ml
Methotrexate	Mouse	Plasma	LC-MS/MS	
Methotrexate + 7-OH metabolite	Human	Plasma	LC-MS/MS	1 ng/ml
Metoclopramide	Human	Plasma	HPLC- Fluo	2,5 - 200 ng/ml
Midazolam	Human	Plasma	LC-MS/MS	0,2 ng/ml

Midazolam + metabolite	Human	Plasma H-Li	LC-MS/MS	0,1 - 10 ng/ml
Mogroside V	Roden	Feed	HPLC-UV	10 - 250 µg/ml
Morphine	Human	Urine	GC-MS	5 µg/ml
MPA	Mouse	Serum	LC-MS/MS	6 - 3330 ng/ml
MPA, MPAG, acyl MPAG	Human	Blood	LC-MS/MS	40 ng/ml
MPA, MPAG, acyl MPAG	Dog	Plasma	LC-MS/MS	40 ng/ml
MPA, MPAG, acyl MPAG	Human	Urine	LC-MS/MS	100 ng/ml
MPA, MPAG, acyl MPAG	Dog	Urine	LC-MS/MS	100 ng/ml
Mycophenolic acid and glucuronide conjugate	Human	Plasma	HPLC	100 ng/ml
Mycophenolic acid and glucuronide conjugate	Human	Urine	HPLC	1 µg/ml
Mycophenolic acid and glucuronide conjugate	Dog	Urine	HPLC	1 µg/ml
Naproxen	Human	Plasma	HPLC	100 ng/ml
Naproxen	Human	Urine	HPLC	100 ng/ml
Nefopam	Human	Plasma	HPLC-UV (210 nm)	5 - 500 ng/ml
Netilmicin	Rabbit	Plasma	LC-MS/MS	5 - 200 ng/ml
Netilmicin	Rabbit	Aqueous humor, palpebral conjunctiva, bulbar conjunctiva, cornea, sclera	LC-MS/MS	AH: 40 - 1000 ng/g sclera: 300 - 10000 ng/g other: 40 - 10000 ng/g
Nicardipin	Human	Plasma	GC-MS	0,4 - 30 ng/ml
Nicotin + metabolite: cotinin	Human	Plasma H-Li	LC-MS/MS	0,1 - 10 ng/ml
Nifedipine	Human	Plasma	LC-MS/MS	0,5 ng/ml
Nolvadex	Human	Plasma	LC-MS/MS	5 ng/ml
Norgestomet	Bovine	Liver	LC-MS/MS	0,1 ng/gr
Norgestomet	Bovine	Fat	LC-MS/MS	0,1 ng/gr
Norgestomet	Bovine	Kidney	LC-MS/MS	0,1 ng/gr
Norgestomet	Bovine	Muscle	LC-MS/MS	0,1 ng/gr
Omeprazole	Human	Plasma	LC-MS/MS	0,5 ng/ml
Oxyphenylbutazone	Human	Plasma	HPLC	100 ng/ml
Oxyphenylbutazone	Human	Urine	HPLC	100 ng/ml
Palladium		Organs	LC-MS/MS	
Paracetamol	Human	Plasma H-Li	HPLC-UV (254 nm)	50 - 15000 ng/ml
Paracetamol	Rat, monkey	Plasma	HPLC-UV (254 nm)	100 - 10000 ng/ml
Phenobarbital	Human	Plasma	HPLC	1,5 µg/ml
Phenylbutazone	Human	Plasma	HPLC	100 ng/ml
Phenylbutazone	Human	Urine	HPLC	100 ng/ml
Phenytoin	Human	Plasma	HPLC	0,5 µg/ml
Pinaverium Bromide	Human	Plasma H-Li	LC-MS/MS	1,0 - 50,0 ng/ml
Prednisone	Human	Plasma H-Li	LC-MS/MS	0,5 - 20 ng/ml
Prednisolone, hydrocortisone	Human	Plasma H-Li	LC-MS/MS	1 - 100 ng/ml
Pregabalin	Human	Blood	LC-MS/MS	0,5 µg/ml
Primidone	Human	Plasma	HPLC	2,5 µg/ml
Probenecid	Human	Plasma	HPLC	100 ng/ml
Probenecid	Human	Urine	HPLC	100 ng/ml
Pseudoephedrin	Human	Plasma	HPLC-UV (205 nm)	10 - 500 ng/ml
Ranitidine	Human	Plasma	HPLC-UV (228 nm)	20 - 800 ng/ml
Ranitidine	Human	Plasma	HPLC	10 ng/ml
Ranitidine	Human	Plasma H	HPLC-UV	6,40 - 800 ng/ml
Regulin-Melovine		Formulation	HPLC-UV (223 nm)	
Remifentanil	Sheep	Blood	LC-MS/MS	0,1 ng/ml
Remifentanil + metabolite	Human	Blood	LC-MS/MS	0,1 ng/ml
Remifentanil + metabolite	Human	Urine	LC-MS/MS	
Rhein	Human	Plasma H-Na	HPLC- Fluo	20 - 2000 ng/ml
Rhein	Human	Plasma H-Na	HPLC- UV (431 nm) and HPLC- Fluo	250 - 6000 ng/ml
Rhein	Dog beagle	Plasma H-Na	HPLC- Fluo	5 - 20000 ng/ml
Rifampicin	Human	Plasma H-Na acid ascorb	LC-MS/MS	0,10 - 50 µg/ml
Risperidone + 9-hydroxyrisperidone	Human	Plasma	HPLC	2 ng/ml
Salbutamol	Human	Plasma	GC-MS	1 nmol/l
Salbutamol	Human	Urine	GC-MS	10 nmol/l
Salicylic acid	Human	Plasma	HPLC	100 ng/ml

Salicylic acid	Human	Urine	HPLC	100 ng/ml
Simvastatin	Human	Plasma H	LC-MS	4 - 500 ng/ml
Sirolimus	Human	Blood	LC-MS/MS	0,5 ng/ml
Sodium Bicarbonate		Formulation	Titrimetry	
Spyramycine	Human	Plasma	LC-MS	0,025 - 3 µg/ml
Sufentanil	Dog	Plasma	LC-MS/MS	0,05 ng/ml
Sulindac	Human	Plasma	HPLC	100 ng/ml
Sulindac	Human	Urine	HPLC	100 ng/ml
Tacrolimus	Human	Blood	LC-MS/MS	0,2 ng/ml
Tazarotene	Human	Plasma H-Na	GC-MS	0,02 - 0,5 ng/ml
Tazarotenic acid	Human	Plasma H-Na	GC-MS	0,5 - 10,0 ng/ml
TCN, TCN-P	Human	Plasma	LC-MS/MS	
Terbutaline	Human	Plasma	GC-MS	1 nmol/l
Testosterone	Human	Plasma	LC/MS	0,5 - 30 ng/ml
Theophylline	Human	Serum	HPLC	1 mg/l
Thiocolchicoside	Human	Plasma	LC/MS	0,5 - 25 ng/ml
Thyroxine (LT4) and Triiodo-thyroxine (LT3)	Human	Plasma H-Li	LC-MS/MS	LT4: 10 - 200 ng/ml LT3: 0,5 - 10 ng/ml LT4-C6: 10 - 200 ng/ml
Tiagabine	Human	Blood	LC-MS/MS	10 ng/ml
Tianeptin	Human	Plasma H-Li	HPLC-UV (220 nm)	10 - 400 ng/ml
Tiapride	Dog, rat	Plasma, brain, liver	HPLC- Fluo	3 - 2000 ng/ml
Tiapride	Dog, rat	Plasma	HPLC- Fluo	50 - 10000 ng/ml
Tiaprofenic acid	Human	Plasma	HPLC-UV (305 nm)	10 - 40 µg/ml
Tobramycin	Rabbit	Plasma	LC-MS/MS	5 - 200 ng/ml
Tobramycin	Rabbit	aqueous humor, palpebral conjunctiva, bulbar conjunctiva, cornea, sclera	LC-MS/MS	40 - 1000 ng/g
Tolterodine	Human	Plasma	GC-MS	0,3 ng/ml
Topiramate	Human	Blood	LC-MS/MS	1,3 µg/ml
Triptolide	Human	Plasma	LC-MS/MS	
Tylosine A	Pig	Feces	LC-MS/MS	0,3 µg/g
Tylosine D	Pig	Feces	LC-MS/MS	1,5 µg/g
Tyramine	Human	Plasma K ₃ EDTA	LC-MS/MS	0,5 - 500 ng/ml
Valganciclovir	Human	Plasma	LC-MS/MS	10 ng/ml
Valganciclovir	Human	Urine	LC-MS/MS	100 ng/ml
Valproic acid	Human	Blood	LC-MS/MS	10 µg/ml
Valproic acid	Human	Plasma H	GC	10 - 250 µg/ml
Valproic acid	Human	Urine	GC	40 - 1000 µg/ml
Veralipride	Human	Plasma	GC-MS	10 - 800 ng/ml
Verapamil + Norverapamil	Human	Plasma H-Li	LC-MS/MS	10- 500 ng/ml
Vesicare	Human	Plasma	LC-MS/MS	0,5 ng/ml
Vesicare	Human	Urine	LC-MS/MS	0,5 ng/ml
Vinflunine	Human	Plasma H-Li	LC-MS/MS	0,25 - 200 ng/ml
Vistarem	Human	Urine	HPLC-UV (290 nm)	34,8 - 696 µmol/L
Vitamin C	Rodent	Feed	HPLC-UV	
Warfarin enantiomers R/S	Human	Plasma H-Na	LC-MS/MS	25 - 1750 ng/ml
Warfarin enantiomers R/S	Human	Plasma H	HPLC- Fluo	7,50 - 2500 ng/ml
Zonisamide	Human	Blood	LC-MS/MS	5 µg/ml