



BIOANALYTICAL METHODS

COMPOUND	TECHNIQUE	MATRIX	Calibration range
Aceclofenac	HPLC-MS/MS	Human Plasma Na citrate	20 – 20000 ng/mL
Acetazolamide	HPLC-MS/MS	Human Plasma EDTA	250 – 30000 ng/mL
Acetylsalicylic acid	HPLC-MS/MS	Human Plasma acidified EDTA	2 – 500 ng/mL
Acetylsalicylic acid & salicylic acid	HPLC-MS/MS	Human Plasma EDTA	Acetylsalicylic acid 0.0556 – 4.4444 µg/mL salicylic acid 0.222 – 16.667 µg/mL
Afatinib	HPLC-MS/MS	Human Plasma EDTA	0.5 – 200 ng/mL
Albendazole and Albendazole sulfoxide	HPLC-MS/MS	Human Plasma EDTA	ALB: 2 – 600 ng/mL ALB sulfoxide: 3 –3000 ng/mL
Albendazole and Albendazole sulfoxide	HPLC-MS/MS	Human Plasma EDTA	ALB: 0.2 – 100 ng/mL ALB sulfoxide: 1 –2000 ng/mL
Albendazole sulfoxide	HPLC-MS/MS	Mitra device Human Blood	5 – 1000 ng/mL
Altrenogest	HPLC-MS/MS	Pig Muscle	0.25 – 20 g/g
Ambroxol	HPLC-MS/MS	Buccopharyngeal lozenges	50 – 2500 ng/mL
Amitraz	HPLC-MS/MS	Honey	100 – 800 µg/kg
Amlodipine	HPLC-MS/MS	Human Plasma EDTA	50 – 5000 pg/mL
Amoxicillin	HPLC-MS/MS	Human Plasma EDTA	50 – 25000 ng/mL
Amoxicillin and Clavulanic acid	HPLC-MS/MS	Human Plasma EDTA	Amoxicillin: 50 –25000 ng/mL Clavulanic: 25 –5000 ng/mL
Amoxicillin	HPLC-MS/MS	Dog Plasma EDTA	50 – 25000 ng/mL



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Ampicillin	HPLC-MS/MS	Human Plasma EDTA	50 – 25000 ng/mL
Androstenediol (Adiol)	HPLC-MS/MS	Human Plasma Heparin	50 – 10000 pg/mL
Androstenedione	HPLC-MS/MS	Human Plasma Heparin	15 – 3000 pg/mL
Atazanavir	HPLC-MS/MS	Rat Blood EDTA	1 – 1000 ng/mL
Atorvastatin	HPLC-MS/MS	Human Plasma EDTA	0.25 – 100 ng/mL
Atorvastatin	HPLC-MS/MS	Rat Plasma EDTA	1 – 100 ng/mL
Baclofen	HPLC-MS/MS	Human Plasma EDTA	1 - 1000 ng/mL
Beclomethasone mono and dipropionate	HPLC-MS/MS	Human Plasma EDTA	5 – 3000 pg/mL
Benzylpenicillin	HPLC-MS/MS	Ovine Plasma EDTA	2 – 2000 ng/mL
Benzylpenicillin	HPLC-MS/MS	Ovine Muscle	5 – 500 µg/kg
Benzylpenicillin	HPLC-MS/MS	Ovine Kidney	5 – 500 µg/kg
Benzylpenicillin	HPLC-MS/MS	Ovine Liver	5 – 500 µg/kg
Benzylpenicillin	HPLC-MS/MS	Ovine Fat	5 – 500 µg/kg
Berberine	HPLC-MS/MS	Human Plasma EDTA	10 – 5000 pg/mL
Bilobalide	HPLC-MS/MS	Human Plasma Heparin	0.2 –50 ng/mL
Bisoprolol	HPLC-MS/MS	Human Plasma EDTA	0.25 - 250 ng/mL
Budesonide	HPLC-MS/MS	Human Plasma Heparin	5 – 500 pg/mL
Buprenorphine	HPLC-MS/MS	Human Plasma EDTA	5 – 1000 pg/mL
Candesartan	HPLC-MS/MS	Human Plasma EDTA	0.5 – 200 ng/mL



COMPOUND	TECHNIQUE	MATRIX	Calibration range
CANNABIDIOL (CBD) and its Metabolites (Δ^9 -THC, 11-OH-THC y cannabidiol)	HPLC-MS/MS	Human Plasma EDTA	CBD: 0.05-50 ng/mL THC: 0.05-50 ng/mL OH-THC: 0.1-100 ng/mL COOH-THC: 0.2-200 ng/mL
Carvedilol	HPLC-MS/MS	Human Plasma Heparin	0.2 – 100 ng/mL
Celecoxib	HPLC-MS/MS	Human Plasma EDTA	5 – 500 ng/mL
Cefixime	HPLC-MS/MS	Human Plasma EDTA	2.5 – 2500 ng/mL
Ceftiofur	HPLC-MS/MS	Pig Plasma EDTA	0.1 – 20 μ g/mL
Ceftiofur	HPLC-MS/MS	Pig Injection site (Muscle)	0.25 – 4 μ g/g
Ceftiofur	HPLC-MS/MS	Bovine Plasma EDTA	0.1 – 20 μ g/mL
Ceftiofur	HPLC-MS/MS	Bovine Injection Site (Muscle)	0.25 – 4 μ g/g
Ceftiofur	HPLC-MS/MS	Bovine Milk	25 – 400 μ g/kg
Centella markers (Madecassic acid, Madecassoides, Asiatic acid and Asiaticoside)	HPLC-MS/MS	Human Plasma EDTA	5 – 1000 ng/mL
Chlormadinone acetate	HPLC-MS/MS	Human Plasma EDTA	25 – 5000 pg/mL
Chlorpheniramine	HPLC-MS/MS	Human Plasma EDTA	0.2 – 100 ng/mL
Clorazepate (as N-desmethyldiazepam)	HPLC-MS/MS	Human Plasma EDTA	0.5 – 500 ng/mL
Coenzyme Q10	HPLC-MS/MS	Human Plasma EDTA	0.1 – 10 μ g/mL
Clotiazepam	HPLC-MS/MS	Human Plasma EDTA	4 – 800 ng/mL
Clozapine	HPLC-MS/MS	Human Plasma EDTA	0.1 – 60 ng/mL
Cicletanine	HPLC-MS/MS	Human Plasma Heparin	3 – 3000 ng/mL



COMPOUND	TECHNIQUE	MATRIX	Calibration range
Cytisine	HPLC-MS/MS	Human Plasma Heparin	1 – 400 ng/mL
Cytisine	HPLC-MS/MS	Human Plasma Heparin	0.3 – 150 ng/mL
Clarithromycin	HPLC-MS/MS	Human Plasma Heparin	10 – 2000 ng/mL
Clavulanic acid	HPLC-MS/MS	Human Plasma EDTA	20 – 5000 ng/mL
Codeine	HPLC-MS/MS	Human Plasma Heparin	0.5 – 200 ng/mL
Colistin	HPLC-MS/MS	Pig Intestinal Content	Colistin A: 10 – 500 ng/mL Colistin B: 7 – 340 ng/mL
Colistin	HPLC-MS/MS	Pig Slurry	2 – 100 µg/g
Curcuminoids (Curcumin, Demethoxycurcumin and Bisdemethoxycurcumin)	HPLC-MS/MS	Human Plasma EDTA	2 – 1000 ng/mL
Dehydroepiandrosterone (DHEA)	HPLC-MS/MS	Human Plasma Heparin	100 – 20000 pg/mL
Dehydroepiandrosterone Sulfate (DHEAS)	HPLC-MS/MS	Human Plasma Heparin	20 – 4000 ng/mL
Desmopressin	HPLC-MS/MS	Human Plasma EDTA	2 – 150 pg/mL
Desogestrel (as 3-ketodesogestrel or etonogestrel)	HPLC-MS/MS	Human Plasma EDTA	25 – 5000 pg/mL
Desloratadine	HPLC-MS/MS	Human Plasma EDTA	25 – 5000 pg/mL
Dexamethasone	HPLC-MS/MS	Human Plasma EDTA	100 – 2000 pg/mL
Dexamethasone	HPLC-MS/MS	Rat Plasma EDTA	1 – 600 ng/mL
Dexketoprofen	HPLC-MS/MS	Human Plasma Heparin	5 – 5000 ng/mL
Dextromethorphan	HPLC-MS/MS	Human Plasma EDTA	10 – 5000 pg/mL



COMPOUND	TECHNIQUE	MATRIX	Calibration range
Diampylate	HPLC-MS/MS	Ovine Fat	350 - 3500 µg/kg
Diampylate	HPLC-MS/MS	Ovine Kidney	10 – 100 µg/kg
Diampylate	HPLC-MS/MS	Ovine Liver	10 – 100 µg/kg
Diampylate	HPLC-MS/MS	Ovine Injection site (Muscle)	10 – 100 µg/kg
Diazepam	HPLC-MS/MS	Human Plasma Na citrate	1 – 500 ng/mL
2,4-dichlorobenzyl alcohol & amylmetacresol	UPLC-UV	Buccopharyngeal lozenges/saliva	2,4-DCBA: 0.6 to 30 µg/mL Amylmetacresol: 0.3 to 15 µg/mL
2,4-dichlorobenzyl alcohol, lidocaine & amylmetacresol	UPLC-UV	Buccopharyngeal lozenges/saliva	2,4-DCBA: 0.6 to 30 µg/mL Lidocaine: 1.0 to 50 µg/mL Amylmetacresol: 0.3 to 15 µg/mL
Diazoxide	HPLC-MS/MS	Human Plasma EDTA	0.05 – 50 ng/mL
Diclazuril	HPLC-MS/MS	Sheep plasma EDTA	1 – 500 ng/mL
Diclazuril	HPLC-MS/MS	Calf plasma EDTA	0.1 – 20 ng/mL
Diclofenac	HPLC-MS/MS	Human Plasma EDTA	0.5 – 200 ng/mL
Dihydrostreptomycin	HPLC-MS/MS	Swine Injection site (Muscle)	250 – 2502 µg/kg
Dihydrostreptomycin and Penicillin	HPLC-MS/MS	Ovine Injection site (Muscle)	Benzympenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC-MS/MS	Ovine Fat	Benzympenicillin 5 – 500 µg/kg



COMPOUND	TECHNIQUE	MATRIX	Calibration range
			Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Ovine Liver	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Ovine Kidney	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Ovine Milk	Benzilpenicillin 0.5 – 100 µg/kg Dihidroestreptomicin 10 – 800 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Calf Injection site (Muscle)	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Calf Fat	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Calf Liver	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Calf Kidney	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Calf Milk	Benzilpenicillin 0.5 – 100 µg/kg Dihidroestreptomicin 10 – 800 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Porcine Injection site (Muscle)	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC- MS/MS	Porcine Fat	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg



COMPOUND	TECHNIQUE	MATRIX	Calibration range
Dihydrostreptomycin and Penicillin	HPLC-MS/MS	Porcine Liver	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
Dihydrostreptomycin and Penicillin	HPLC-MS/MS	Porcine Kidney	Benzylpenicillin 5 – 500 µg/kg Dihydrostreptomycin 50-5000 µg/kg
disaccharides Di-4S and Di-6S	HPLC-MS/MS	Human Plasma EDTA	50 – 2000 ng/ mL
Docetaxel	HPLC-MS/MS	Dog Plasma Heparin	0.25 – 200 ng/mL
Doxorubicin	HPLC-MS/MS	Mouse Plasma EDTA	0.1 – 50 µg/mL
Dienogest	HPLC-MS/MS	Human Plasma EDTA	0.1 – 80 ng/mL
Drospirenone	HPLC-MS/MS	Human Plasma EDTA	0.25 – 250 ng/mL
Eltrombopag	HPLC-MS/MS	Human Plasma EDTA	50-20000 ng/mL
Enalapril	HPLC-MS/MS	Human Plasma EDTA	0.2 – 100 ng/mL
Enrofloxacin	HPLC-MS/MS	Cat Plasma EDTA	20 – 4000 ng/mL
Enrofloxacin	HPLC-MS/MS	Rabbit Plasma EDTA	10 – 1000 ng /mL
Epigallocatechin gallate	HPLC-MS/MS	Human breast tissue	1 – 40 ng/g
Erythromycin	HPLC-MS/MS	Human Plasma EDTA	10 – 2500 ng/mL
Erythromycin	HPLC-MS/MS	Human Plasma EDTA	1 – 5000 ng/mL
Erythromycin	HPLC-MS/MS	Chicken Egg	75 – 750 ng/g
Erlotinib	HPLC-MS/MS	Human Plasma EDTA	5 – 5000 ng/mL
Esomeprazole	HPLC-MS/MS	Human Plasma EDTA	2.5 – 2500 ng/mL



COMPOUND	TECHNIQUE	MATRIX	Calibration range
Eslicarbazepine	HPLC-MS/MS	Human Plasma Heparin	100 – 20000 ng/mL
Estradiol	HPLC-MS/MS	Human Plasma Heparin	0.5 – 100 pg/mL
Estradiol	UPLC-MS/MS	Human Plasma EDTA	100 – 10000 pg/mL
Estrone	HPLC-MS/MS	Human Plasma Heparin	1 – 200 pg/mL
Estrone 3-sulfate	HPLC-MS/MS	Human Plasma Heparin	5 – 1500 pg/mL
Ethinyl Estradiol	HPLC-MS/MS	Human Plasma EDTA	1 – 500 pg/mL
Ethinyl Estradiol	HPLC-MS/MS	Human Plasma EDTA	2.5 – 500 pg/mL
Etodolac	HPLC-MS/MS	Human Plasma Na citrate	0.1 – 40 µg/mL
Ezetimibe	HPLC-MS/MS	Human Plasma EDTA	0.1 – 100 ng/mL
Fenbendazole sulfone	HPLC-MS/MS	Pig Liver	250 – 8000 µg/kg
Florfenicol	HPLC-MS/MS	Pig Plasma Heparine	2 – 1000 ng/mL
Flufenamic acid	HPLC-MS/MS	Human Plasma EDTA	1 – 100 ng/mL
(R)- and (S)-Flurbiprofen	HPLC-MS/MS	Human Plasma EDTA	25 – 2500 ng/mL
Flurbiprofen	HPLC-MS/MS	Buccopharyngeal lozenges/saliva	50 – 2000 ng/mL
Fluticasone propionate	HPLC-MS/MS	Human Plasma EDTA	5 – 1000 pg/mL
Fluvastatin	HPLC-MS/MS	Human Plasma EDTA	0.5 – 500 ng/mL
Fosfomycin	HPLC-MS/MS	Human Plasma EDTA	50 – 50000 ng/mL
Fosfomycin	HPLC-MS/MS	Human Urine	10 – 5000 µg/mL
Furosemide	HPLC-MS/MS	Human Plasma EDTA	10 – 2500 ng/mL



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Furosemide	HPLC-MS/MS	Cat Plasma EDTA	50 – 10000 ng/mL
Furosemide	HPLC-MS/MS	Dog Plasma EDTA	50 – 10000 ng/mL
Gentisic acid	HPLC-MS/MS	Rat Plasma EDTA	20 – 20000 ng/mL
Gentisic acid	HPLC-MS/MS	Dog Plasma EDTA	20 – 20000 ng/mL
Gentisic acid	HPLC-MS/MS	Minipig Plasma EDTA	10 – 10000 ng/mL
Ginkgolides (A and B)	HPLC-MS/MS	Human Plasma Heparin	0.2 – 50 ng/mL
Gliclazide	HPLC-MS/MS	Human Plasma EDTA	40 – 3200 ng/mL
Gliclazide	HPLC-MS/MS	Human Plasma EDTA	40 – 10000 ng/mL
Gliclazide and Metformin	HPLC-MS/MS	Human Plasma EDTA	Gliclazide: 40 – 3200 ng/mL Metformine: 10 – 2500 ng/mL
Goserelin	HPLC-MS/MS	Dog Plasma EDTA	0.1 – 50 ng/mL 0.01 – 5 ng/mL
Halofuginona	HPLC-MS/MS	Cattles Plasma EDTA	0.05 - 10 ng/mL
Hydrochlorothiazide	HPLC-MS/MS	Human Plasma EDTA	1 – 300 ng/mL
Hydroxychloroquine	HPLC-MS/MS	Human Plasma EDTA	0.2 – 200 ng/mL
Imatinib	HPLC-MS/MS	Human Plasma EDTA	10 – 3000 ng/mL
Ibuprofen	HPLC-MS/MS	Human Plasma Heparin	0.1 – 20 µg/mL
(R)- and (S)-Ibuprofen	HPLC-MS/MS	Human Plasma Heparin	0.1 – 40 µg/mL
Ipratropium bromide	HPLC-MS/MS	Human Plasma EDTA	0.5 - 50 pg/mL
Ipratropium bromide	HPLC-MS/MS	Human Plasma EDTA	2 - 400 pg/mL



COMPOUND	TECHNIQUE	MATRIX	Calibration range
Irbesartan	HPLC-MS/MS	Human Plasma Heparin	20 – 10000 ng/mL
Itraconazole and hydroxy itraconazole	HPLC-MS/MS	Dog Plasma EDTA	5 – 5000 ng/mL
Ivermectine H2B1a	HPLC-MS/MS	Human Plasma EDTA	0.5 – 40 ng/mL
Ivermectin (H2B1a component)	HPLC-MS/MS	Swine Plasma EDTA	0.5 – 40 ng/mL
Ivermectin B1a Ivermectiin B1b	HPLC-MS/MS	Human Plasma EDTA	B1a: 1 – 200 ng/mL B1b: 0.04 – 4 ng/mL
Ivermectin B1a	HPLC-MS/MS	Mitra device Human Blood	5 – 100 ng/mL
Ketoconazole	HPLC-MS/MS	Human Plasma EDTA	20 – 2000 ng/mL
Ketoprofen	HPLC-MS/MS	Human Plasma Heparin	5 – 5000 ng/mL
Ketoprofen	HPLC-MS/MS	Bovine Liver	10 – 500 µg/kg
Ketoprofen	HPLC-MS/MS	Bovine Kidney	10 – 500 µg/kg
Ketoprofen	HPLC-MS/MS	Bovine Muscle	50 – 20000 µg/kg
Ketoprofen	HPLC-MS/MS	Bovine Fat	10 - 500 µg/kg
Lansoprazole	HPLC-MS/MS	Human Plasma EDTA	2 – 2000 ng/mL
Lenvatinib	HPLC-MS/MS	Human Plasma EDTA	0.5 - 250 ng/mL
Leuprolide	HPLC-MS/MS	Dog Plasma EDTA	0.05 – 100 ng/mL
Levonorgestrel	HPLC-MS/MS	Human Plasma EDTA	25 – 5000 pg/mL
Licarbazepine	HPLC-MS/MS	Human Plasma EDTA	100 – 20000 ng/mL
Linagliptin	HPLC-MS/MS	Human Plasma EDTA	0.025 – 15 ng/mL
Loratadine	HPLC-MS/MS	Human Plasma EDTA	0.02 – 20 ng/mL



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Lormetazepam	HPLC-MS/MS	Human Plasma EDTA	0.2 – 30 ng/mL
Lovastatin	HPLC-MS/MS	Human Plasma EDTA	0.02 – 20 ng/mL
Magnesium	ICP-MS	Human Plasma EDTA	10 – 1000 µg/mL
Minoxidil	HPLC-MS/MS	Human Plasma EDTA	0.1 – 20 ng/mL
Melatonin	HPLC-MS/MS	Human Plasma EDTA	5 – 3000 pg/mL
Melatonin	HPLC-MS/MS	Human Plasma EDTA	5 – 12000 pg/mL
Melatonin	HPLC-MS/MS	Sheep plasma EDTA	5 – 1000 pg/mL
Memantine	HPLC-MS/MS	Human Plasma EDTA	0.1 – 100 ng/mL
Metamizol (4-Methylaminoantipyrin)	HPLC-MS/MS	Pig Muscle	25 – 3000 µg/kg
4-Methylaminoantipyrine	HPLC-MS/MS	Human Plasma EDTA	0.2 – 30 µg/mL
Methylprednisone	HPLC-MS/MS	Human Plasma EDTA	0.5 – 500 ng/mL
Methotrexate	HPLC-MS/MS	Rat Blood EDTA	0.5 – 448 ng/mL
Metopimazine	HPLC-MS/MS	Human Plasma EDTA	0.2 – 60 ng/mL
Metronidazole	HPLC-MS/MS	Human Plasma EDTA	50 – 20000 ng/mL
Mometasone furoate	UPLC-MS/MS	Human Plasma EDTA	2 – 100 pg/mL
Moxifloxacin	HPLC-MS/MS	Human Plasma EDTA	10 – 5000 ng/mL
Naloxone	HPLC-MS/MS	Human Plasma EDTA	0.025 – 25 ng/mL
Naproxen	HPLC-MS/MS	Human Plasma Heparin	0.1 – 100 µg/mL



COMPOUND	TECHNIQUE	MATRIX	Calibration range
Nicorandil & N-(2-hydroxyethyl) nicotinamide	HPLC-MS/MS	Human Plasma EDTA	•nicorandil: 1 – 800 ng/mL • N-(2-hydroxyethyl) nicotinamide: 0.1 – 150 ng/mL.
Norgestrel	HPLC-MS/MS	Human Plasma EDTA	0.05 – 50 ng/mL
Octreotide	HPLC-MS/MS	Dog Plasma EDTA	50 – 1000 pg/mL
Octreotide	HPLC-MS/MS	Rat Plasma EDTA	50 – 1000 pg/mL
Octreotide	HPLC-MS/MS	Rabbit Plasma EDTA	50 – 1000 pg/mL
Olmesartan	HPLC-MS/MS	Human Plasma EDTA	5 – 1800 ng/mL
Ondansetron	HPLC-MS/MS	Human Plasma EDTA	0.1 – 100 ng/mL
Octreotide	HPLC-MS/MS	Human Plasma EDTA	25 – 5000 pg/mL
Oxfendazole	HPLC-MS/MS	Pig Plasma K2-EDTA	1 – 1000 ng/mL
Oxycodone	HPLC-MS/MS	Human Plasma EDTA	0.1 – 100 ng/mL
Oxytetracycline (parent and 4-epioxytetracycline)	HPLC-MS/MS	Pig Injection site (Muscle)	25 – 400 ng/g
Oxytetracycline (parent and 4-epioxytetracycline)	HPLC-MS/MS	Pig Liver	75 - 2000 ng/g
Oxytetracycline (parent and 4-epioxytetracycline)	HPLC-MS/MS	Pig Kidney	150-4000 ng/g
Oxytetracycline (parent and 4-epioxytetracycline)	HPLC-MS/MS	Bovine Injection site (Muscle)	25 – 400 ng/g
Oxytetracycline (parent and 4-epioxytetracycline)	HPLC-MS/MS	Ovine Injection site (Muscle)	25 – 400 ng/g
Oxytetracycline (parent and 4-epioxytetracycline)	HPLC-MS/MS	Cow Milk	25 – 3000 µg/kg



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Oxytetracycline (parent and 4-epioxytetracycline)	HPLC-MS/MS	Ovine Milk	25 – 3000 µg/kg
Paliperidone	HPLC-MS/MS	Dog Plasma Heparin	0.5 – 100 ng/mL
Palmitoethanolamide	HPLC-MS/MS	Human Plasma EDTA	100 – 8000 pg/mL
Pantoprazole	HPLC-MS/MS	Human Plasma EDTA	2 – 2000 ng/mL
Paracetamol (acetaminophen)	HPLC-MS/MS	Human Plasma EDTA	0.1 – 20 µg/mL
Paracetamol (acetaminophen)	HPLC-MS/MS	Human Plasma EDTA	0.1 – 40 µg/mL
Paroxetine	HPLC-MS/MS	Human Plasma EDTA	0.1 – 20 ng/mL
Pazopanib	HPLC-MS/MS	Human Plasma EDTA	50 – 20000 ng/mL
Pazopanib	HPLC-MS/MS	Human Plasma EDTA	50 – 30000 ng/mL
Pazopanib	HPLC-MS/MS	Human Plasma EDTA	100 – 60000 ng/mL
Penicillin G	HPLC-MS/MS	Cow Milk	2 – 100 µg/kg
Penicillin G	HPLC-MS/MS	Ovine Plasma EDTA	2 – 2000 ng/mL
Penicillin G	HPLC-MS/MS	Ovine Muscle	5 – 500 µg/kg
Penicillin G	HPLC-MS/MS	Ovine Kidney	5 – 500 µg/kg
Penicillin G	HPLC-MS/MS	Ovine Liver	5 – 500 µg/kg
Penicillin G	HPLC-MS/MS	Ovine Fat	5 – 500 µg/kg
Phenol	HPLC-MS/MS	Human Plasma Heparin	15 – 500 ng/mL
Phenol	HPLC-MS/MS	Rabbit Plasma Heparin	100 – 1000 ng/mL



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Phenylephrine	HPLC-MS/MS	Human Plasma Heparin	0.1 – 100 ng/mL
Pimobendan	HPLC-MS/MS	Dog Plasma EDTA	2 – 60 ng/mL
Pravastatin	HPLC-MS/MS	Human Plasma EDTA	0.5 – 500 ng/mL
Prednisolone	HPLC-MS/MS	Human Plasma EDTA	0.5 – 500 ng/mL
Prednisolone	HPLC-MS/MS	Cat Plasma EDTA	4 – 4000 ng/mL
Prednisolone	HPLC-MS/MS	Dog Plasma EDTA	4 – 4000 ng/mL
Pregabalin	HPLC-MS/MS	Human Plasma EDTA	50 – 15000 ng/mL
Progesterone	HPLC-MS/MS	Human Plasma EDTA	0.3 – 60 ng/mL
Progesterone	HPLC-MS/MS	Human Plasma EDTA	0.1 – 15 ng/mL
Pseudoephedrine	HPLC-MS/MS	Human Plasma EDTA	0.5 – 500 ng/mL
Quercetin	HPLC-MS/MS	Human Plasma EDTA	1 – 1000 ng/mL
Ranitidine	HPLC-MS/MS	Human Plasma EDTA	10 – 2000 ng/mL
Ranolazine	HPLC-MS/MS	Human Plasma EDTA	2 – 2000 ng/mL
Rasagiline	HPLC-MS/MS	Human Plasma EDTA	10 – 5000 pg/mL
Resveratrol and glucuronide	HPLC-MS/MS	Human Plasma EDTA	5 – 1000 ng/mL
Ribavirin	HPLC-MS/MS	Rat Plasma EDTA	20 – 200 ng/mL
Riluzole	HPLC-MS/MS	Human Plasma EDTA	0.5 – 500 ng/mL
Risperidone	HPLC-MS/MS	Dog Plasma Heparin	0.5 – 100 ng/mL
Rivastigmine	HPLC-MS/MS	Human Plasma EDTA	0.1 – 30 ng/mL



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Roflumilast	HPLC-MS/MS	Human Plasma EDTA	0.05 – 20 ng/mL
Rosuvastatin	HPLC-MS/MS	Human Plasma Heparin	0.04 – 40 ng/mL
Ruxolitinib	HPLC-MS/MS	Human Plasma EDTA	1-600 ng/mL
Salbutamol	HPLC-MS/MS	Human Plasma EDTA	0.5 – 50 ng/mL
Salmeterol	HPLC-MS/MS	Human Plasma EDTA	5 – 2000 pg/mL
Sanguinarine and Dihydrosanguinarine	HPLC-MS/MS	Human Plasma EDTA	1 – 200 ng/mL
Silibinin	HPLC-MS/MS	Human Plasma Heparin	0.5 – 500 ng/mL
Simvastatin	HPLC-MS/MS	Human plasma EDTA	50 – 5000 pg/mL
Solifenacin	HPLC-MS/MS	Human Plasma EDTA	0.1 – 20 ng/mL
Spiramycin	HPLC-MS/MS	Human Plasma EDTA	10 – 1200 ng/mL
Spiramycin (parent and neospiramycin)	HPLC-MS/MS	Cow Milk	0.1 – 10 µg/g and 0.05 – 10 µg/g
Spiramycin (parent and neospiramycin)	HPLC-MS/MS	Calf Kidney	0.075 –1.2 µg/g
Spiramycin (parent and neospiramycin)	HPLC-MS/MS	Calf Injection site (Muscle)	0.05 – 0.8 µg/g
Spiramycin (parent and neospiramycin)	HPLC-MS/MS	Calf Fat	0.075 –1.2 µg/g
Spiramycin (parent and neospiramycin)	HPLC-MS/MS	Calf Liver	0.075 –1.2 µg/g
Spiramycin (parent and neospiramycin)	HPLC-MS/MS	Calf Plasma	5 – 500 ng/mL
Spiramycin (parent and neospiramycin)	HPLC-MS/MS	Calf Lung	0.075 – 1.2 µg/g
Strontium (ranelate)	GF-AAS	Human Plasma Heparin	100 – 4000 ng/mL
Sumatriptan	HPLC-MS/MS	Human Plasma EDTA	0.1 – 100 ng/mL



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Tadalafil	HPLC-MS/MS	Human Plasma EDTA	1 – 500 ng/mL
Telmisartan	HPLC-MS/MS	Human plasma EDTA	2 – 1000 ng/mL
Testosterone	HPLC-MS/MS	Human Plasma Heparin	15 – 3000 pg/mL
Testosterone	HPLC-MS/MS	Human plasma EDTA	0.1 - 20 ng/mL
Testosterone	HPLC-MS/MS	Dog Plasma EDTA	4 – 100 pg/mL
Tilmicosin	HPLC-MS/MS	Bovine Plasma EDTA	2 – 2000 ng/mL
Tilmicosin	HPLC-MS/MS	Bovine Lung	100 – 5000 µg/kg
Tilmicosin	HPLC-MS/MS	Bovine Liver	10 – 500 µg/kg
Tilmicosin	HPLC-MS/MS	Bovine Kidney	10 – 500 µg/kg
Tilmicosin	HPLC-MS/MS	Bovine Injection site (Muscle)	10 – 500 µg/kg
Tilmicosin	HPLC-MS/MS	Bovine Fat	10 – 500 µg/kg
Tofacitinib	HPLC-MS/MS	Human plasma EDTA	1 – 200 ng/mL
Toltrazuril	HPLC-MS/MS	Bovine Plasma EDTA	0.3 – 50 µg/mL
Toltrazuril sulfone	HPLC-MS/MS	Pig Injection site (Muscle)	25 – 400 ng/g
Toltrazuril sulfone	HPLC-MS/MS	Pig Liver	125 – 2000 ng/g
Toltrazuril sulfone	HPLC-MS/MS	Pig Kidney	62.5 – 1000ng/g
Toltrazuril sulfone	HPLC-MS/MS	Pig Fat and Skin	37.5 – 600ng/g
Tramadol	HPLC-MS/MS	Human Plasma EDTA	0.5 – 250 ng/mL



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COMPOUND	TECHNIQUE	MATRIX	Calibration range
Tramadol	HPLC-MS/MS	Dog Plasma EDTA	1 – 1000 ng/ml
Trichloroethanol	GC/ μ -ECD	Human Plasma Heparin	10 – 100 ng/mL
Trilostane	HPLC-MS/MS	Dog Plasma Heparin	2 – 2000 ng/mL
Tungstate	ICP-MS	Dog Plasma Lithium Heparin	43 – 43000 ng/mL
Tungstate	ICP-MS	Rabbit Plasma Lithium Heparin	50 – 50000 ng/mL
Tungstate sodium	ICP-MS	Human Plasma Lithium heparin	150 – 6000 ng/mL
Tylosin	HPLC-MS/MS	Cow Milk	25-10000 μ g/kg
Ulipristal	HPLC-MS/MS	Human Plasma EDTA	0.1 – 500 ng/mL
Valsartan	HPLC-MS/MS	Human Plasma EDTA	10 – 5000 ng/mL
Voriconazole	HPLC-MS/MS	Human Plasma EDTA	10 – 5000 ng/mL

...and many other proprietary methods of different therapeutic classes.