



# BIOANALYSIS AND BIOMARKER ASSAY LIST



Compound	Matrix	LOQ	Technique
2,6-dimethylaniline	Plasma	2 ng/ml	LC/MS/MS
4-aminopyridine	Plasma	2 ng/ml	LC-UV
αGST	Plasma	1.25 ug/l	EIA
Acemetacin/Indomethacin	Plasma	1 ng/ml	LC/MS/MS
Acetaminophen	Plasma	0.025 ug/ml	LC/MS/MS
Acyline	Plasma	0.2 ng/ml	LC/MS/MS
Alendronate	Urine	2 ng/ml	LC-Fluor
Alfuzosin	Plasma	0.5 g/ml	LC/MS/MS
Alpurinol	Plasma	200 ng/ml	LC/MS/MS
Oxypurinol		1000 ng/ml	
Apomorphine	Plasma	0.1 ng/ml	LC/MS/MS
4-aminosalicylic acid + metabolite	Plasma	10 ng/ml	LC/MS/MS
5-Amino Salicylic Acid	Plasma Urine	50 ng/ml 12 ug/ml	LC-Fluor.
Antipyrine	Plasma	40 ug/ml	LC-UV
Anti Factor IIa	Plasma	0.02 IU/mL	Indirect photometric
Anti Factor Xa	Plasma	0.03 IU/mL	Indirect photometric
Atenolol	Plasma	25 ng/ml	LC-Fluor.
Aripiprazole	Plasma	1 ng/ml	LC/MS/MS
Atenolol	Urine	100 ng/ml	LC-Fluor.
Amoxicillin	Plasma	0.2 ug/ml	LC/MS/MS
Amoxicillin Clavulanic Acid	Plasma	50 - 2000 ng/ml 12.5-500 ng/ml	
Amphotericin	Plasma	40 ng/ml	LC-UV
Ampicillin	Plasma	0.2 ug/ml	LC/MS/MS
Atorvastatin	Plasma	0.5 ng/ml	LC/MS/MS
2-hydroxy Atorvastatin 4-hydroxy Atorvastatin	Plasma	0.5 ng/ml	LC/MS/MS
Baclofen	Plasma	5 ng/ml	LC-UV
Baclofen R&S	Plasma	10 ng/ml	LC/MS/MS
Benidipine	Plasma	0.1 ng/ml	LC/MS/MS
Berberine	Plasma	2.5 ng/ml	LC/MS/MS
Betahistine	Plasma	5 ng/ml	LC/MS/MS
Bethamethasone Bethamethasone dipropionate Betamethasone 17-dipropionate	Plasma	1.5 ng/ml 1.5 ng/ml 0.75 ng/ml	LC/MS/MS
Berberine	Plasma	0.2 ng/ml	LC/MS/MS
Bicifidine	Plasma	0.1 ug/ml	LC-UV
Bisoprolol	Plasma	2 ng/ml	LC-Fluor.
Bupropion	Plasma	10 ng/ml	LC-UV
Bupivacaine	Serum Tissue	ug/ml 1 ug/g	LC-UV
Buprenorphine	Plasma	0.31 ng/ml	RIA
Buprenorphine	Plasma	0.5 ng/ml	LC/MS/MS
Buserelin/leuprolide	Serum	100 pg/ml	RIA
CL-273,547	Plasma	2 ng/ml	LC-Fluor.
Camp	Plasma	25 fmol/ml	RIA
c-peptide	Plasma	0.1 ng/ml	RIA
Candesartan	Plasma	2 ng/ml	LC/MS/MS
Captopril	Plasma	5 ng/ml	LC-Fluor.

Compound	Matrix	LOQ	Technique
Capric acid	Plasma	0.5 ug/ml	GC
Carprofen (Chiral)	Plasma	0.1 ug/ml	LC-UV
Canrenone	Plasma	5 ng/ml	LC/MS/MS
Carvedilol R&S	Plasma	0.2 ng/ml	LC/MS/MS
Cefdinir	Plasma	0.5 ug/ml	LC-UV
Cefuroxime	Plasma	0.2 ug/ml	LC-UV
Celecoxib	Plasma	0.05 ug/ml	LC/MS/MS
Cetirizine	Plasma	1 ng/ml	LC/MS/MS
Chlorpheniramine	Plasma	1 ng/ml	GC-MS
Cilostazol	Plasma	5 ng/ml	LC/MS/MS
Cilostazole metabolites	Plasma	5 ng/ml	LC/MS/MS
Cinacalcet	Plasma	5 ng/ml	LC/MS/MS
Cinnarizine	Plasma	1 ng/ml	LC-MS/MS
Cisapride	Plasma	1 ng/ml	LC-UV
Cimetidine	Plasma	0.1 ug/ml	LC-UV
Ciprofloxacin	Plasma	50 ng/ml	LC/UV
Clindamycin	Plasma	20 ng/ml	LC/MS/MS
Clodronate	Plasma	20 ng/ml	LC/MS/MS
Clonidine	Plasma	25 pg/ml	GC-MS
Clopidogrel Clopidogrel carboxylic acid	Plasma	0.25 ng/ml 20 ng/ml	LC/MS/MS LC/MS/MS
Co Amoxiclav (Amoxicillin) (Clavulanic Acid)	Plasma	0.2 ug/ml 0.1 ug/ml	LC/MS/MS LC/MS/MS
Codeine	Plasma	10 ng/ml 5 ng/ml	LC-Fluor. LC/MS/MS
Colchicine	Plasma	0.2 ng/ml	LC/MS/MS
Cyclosporin	Blood	25 ng/ml	EMIT
Cyclosporin	Blood	5 ng/ml	LC/MS/MS
Cyclosporin	Tissue	2.5 ng/biopsy	LC/MS/MS
Danazol	Plasma	10 ng/ml	LC/MS/MS
Decursin/Decursinal Angelate Decursinal	Plasma	10 ng/ml 250 ng/ml	LC/MS/MS
Dextrorphan/Dextrometorphan	Urine	0.05 ug/ml DM 0.5 ug/ml DP	LC-Fluor
3-Keto-Desogestrel	Plasma	0.1 ng/ml	LC/MS/MS
Diclofenac	Plasma	10 ng/ml	LC/MS/MS
Dienogest	Plasma	0.50 ng/ml	LC-MS/MS
Diltiazem	Plasma	5 ng/ml	LC-UV
Diltiazem/Desacetyl/ Diltiazem /Desmethyl Diltiazem	Plasma	1 ng/ml 0.5 ng/ml	LC/MS/MS
Diphenhydramine	Plasma	2 ng/ml	LC/MS/MS
2, 6-Dimethylaniline, o-Toluidine	Plasma	0.5 ng/ml	LC/MS/MS
Dipyridamole	Plasma	10 ng/ml	LC/MS/MS
Direct Heparin	Plasma	0.25 ug/ml	ELISA
Domperidone	Plasma	0.2 ng/ml	LC/MS/MS
Efavirenz	Plasma	5 ng/ml	LC/MS/MS
Epitetracycline	Milk	10 ng/ml	LC/MS/MS
Erlotinib	Plasma	1 ng/ml	LC/MS/MS
Erythromycin Base & Ethyl succinate	Plasma/Serum	0.05 ug/ml	LC-EC
Erythromycin Base	Plasma/Serum	0.1 ug/ml	Micro Assay

Compound	Matrix	LOQ	Technique
Ethinylestradiol	Plasma	2.0 pg/ml	LC-MS/MS
Exemestane	Plasma	2 ng/ml	LC/MS/MS
Ezetimibe	Plasma	20 pg/ml	LC/MS/MS
Ezetimibe Glucronide	Plasma	0.25 ng/ml	LC/MS/MS
Ezomeprazole	Plasma	10 ng/ml	LC/MS/MS
Fenbantal	Plasma	2 ng/ml	LC/MS/MS
Felodipine	Plasma	0.1 ng/ml	GC-MS
Fenbendazole/ Febantel/Oxfendazole Praziquantel	Plasma Plasma	2 ng/ml 4 ng/ml	LC/MS/MS LC/MS/MS
Fentanyl	Plasma	0.1 ng/ml	GC-MS
Flucolxacillin	Plasma	50 ng/ml	LC/MS/MS
Flugestone	Tissues	100pg/ml	LC/MS/MS
Fluticasone	Plasma	0.05 ng/ml	LC/MS/MS
Fluvoxamine	Plasma	0.5 ng/ml	LC/MS/MS
Fosinopril	Serum	0.1 ng/ml	RIA
Gemfibrozil	Plasma	0.1 ug/ml	LC-UV
Gentamicin	Plasma	100 ng/ml	LC/MS/MS
Gentamicin	Tissue and bones	100 ng/ml	LC/MS/MS
Glipizide	Plasma	20 ng/ml	LC/MS/MS
Glucagon	Plasma	16.3 pg/ml	RIA
Granisetron	Plasma	0.1 ng/ml	LC/MS/MS
Guaifenesin Paracetamol	Plasma	10-1000 ng/ml 100-10,000ng/ml	LC/MS/MS
GX EG	Plasma	1 ng/ml	LC/MS/MS
Haloperidol	Plasma	0.5 ng/ml	LC-EC
Hederacoside	Plasma	2.5 ng/ml	LC/MS/MS
Heparin-Anti Factor Xa AntiFactor IIa	Plasma	0.03 I/ml human 0.2 lu/ml dog 0.5 lu/ml rat	Spectrophotometric
Hirudin	Plasma	150 ng/ml	Chromagenic
Histrelin	Plasma	0.2 ng/ml	LC/MS/MS
Hydrocodone	Plasma	2 ng/ml	GC-MS, LC/MS/MS
Hydromorphone	Plasma	0.1 ng/ml	LC-EC, LC/MS/MS
NorHydrocodone	Plasma	0.1 ng/ml	LC/MS/MS
Ibuprofen	Plasma	0.5 ug/ml	LC-UV
Ibuprofen (enantiomers)	Plasma	0.5 ug/ml	LC-UV
Indobufen	Plasma	1 ug/ml	LC-UV
Indomethecin	Plasma	0.1 ug/ml	LC-UV
Indomethecin	Plasma	1 ng/ml	LC/MS/MS
Insulin	Plasma/Serum	3 ul/ml	RIA
IS-5-MN	Plasma	10 ng/ml	GC-ECD
Ivermectin	Plasma	1 ng/ml	LC/MS/MS
Ivermectin	Plasma Tissue	0.25ng/ml 0.5 ng/g	LC-Flour LC-Flour
11XX (oligonucleotide)	Plasma	0.045ug/ml 10 ng/ml	LC-UV LC/MS/MS
11XY (oligonucleotide)	Plasma	0.25 ug/ml	LC-UV
Ketoprofen	Plasma	0.05 ug/ml	LC-UV
Lacidipine	Plasma	0.2 ng/ml	LC/MS/MS

Compound	Matrix	LOQ	Technique
Lansoprazole	Plasma	1 ng/ml	LC/MS/MS
Lauric acid	Plasma	0.5 ug/ml	GC
Letrozole	Plasma	0.5 ng/ml	LC/MS/MS
Levodopa/Carbidopa	Plasma	25 ng/ml	LC-EC
LH-RH	Plasma	1.25 pg/ml	RIA
Lodine(etodolac)	Plasma	0.1 ug/ml	LC-UV
Leuprolide	Plasma	50.8 pg/ml	RIA
Leuprolide	Plasma	0.4 ng/ml	LC/MS/MS
Luteinizing Hormone	Plasma	1 mIU/ml	EIA
LevoCetirizine	Plasma	1 ng/ml	LC/MS/MS
Levorphenol	Plasma	0.075 ng/ml	LC/MS/MS
Lidocaine/Prilocaine	Plasma	2 ng/ml	LC/MS/MS
Lisinopril	Plasma	1 ng/ml	LC/MS
Lithium	Plasma	2 ug/ml	LC/MS/MS
Loperamide	Plasma	20 pg/ml	LC/MS/MS
Lorazepam	Plasma	1 ng/ml	LC/MS/MS
Mecamylamine	Plasma	5 ng/ml	LC/MS/MS
Memantine	Plasma	0.2 ng/ml	LC/MS/MS
Mercaptopurine	Plasma	500 ng/ml	HPLC-UV
Methyldopa	Plasma	0.5 ug/ml	LC-EC
Methylphenidate	Plasma	0.5 ng/ml	GC-MS
Methylphenidate	Plasma	0.25 ng/ml	LC/MS/MS
Metaxalone	Plasma	10 ng/ml	LC/MS/MS
Metformin	Plasma	20 ng/ml	LC/MS/MS
Metoclopramide	Plasma	5 ng/ml	LC-UV
Metoprolol	Plasma	5 ng/ml	LV-Flu: LC/MS/MS
Modafinil	Plasma	100 ng/ml	LC/MS/MS
Morphine	Plasma	0.5 ng/ml	LC/MS/MS
Morphine-3-glucuronide	Plasma	2 ng/ml	LC/MS/MS
Morphine-6-glucuronide	Plasma	2 ng/ml	LC/MS/MS
Naproxen	Plasma	0.5 ug/ml	LC-UV
Naloxone	Plasma	0.5 ng/ml	LC-GC
Nicotine	Plasma	2 ng/ml	GC-NPD; GC/MS; LC/MS/MS
Nicotine/ Cotinine	Plasma Urine	2 ng/ml 25 ng/ml	GC-NPD; GC/MS; LC/MS/MS GC-NPD; GC/MS: LC/MS/MS
Nifedipine	Plasma	1 ng/ml	GC-ECD LC/MS/MS
Nifedipine Carboxylic Acid	Urine	1 ug/ml	LC-UV
Nimodipine	Plasma	0.1 ng/ml	GC-ECD
Nizatidine	Plasma	20 ng/ml	LC-UV
NRL001	Plasma	0.2 ng/ml	LC/MS/MS
Olanzapine	Plasma	0.2 ng/ml	LC/MS/MS
Omeprazole	Plasma	10 ng/ml	LC/MS/MS
Olmesartan	Plasma	50 ng/ml	LC/MS/MS
Ondansetron	Plasma	0.5 ng/ml	LC/MS/MS
Oxfendazole	Plasma	5 ng/ml	LC/MS/MS
Oxymorphone	Plasma (Rabbit)	0.5 ng/ml	LC-EC
Oxytetracycline + metabolite	Milk	10 ng/ml	LC/MS/MS
Pantoprazole	Plasma	1 ng/ml	LC/MS/MS

Compound	Matrix	LOQ	Technique
Paracetamol	Plasma	2 ug/ml	LC-UV
Paracetamol/ Phenylephrine	Plasma	100 ng/ml 0.5 ng/ml	LC/MS/MS
Paclitaxel	Plasma	5 ng/ml 20 ng/ml	LC/MS/MS LC-UV
PEG 1,000-10,000	Urine	5 ug/ml	LC-RI
Pentoxifylline	Plasma	20 ng/ml	LC-UV
Phenylephrine	Plasma	0.5 ng/ml	LC/MS/MS
Phenytoin	Plasma	0.2 ug/ml	LC-UV
Pioglitazone	Plasma	30 ng/ml	LC/MS/MS
Pioglitazone Metabolite III	Plasma	30 ng/ml	LC/MS/MS
Piperazine	Plasma	0.1 ug/ml	LC-Fluor
Piroxicam	Plasma	0.1 ug/ml	LC-UV
Pramipexole	Plasma	0.1 ng/ml	LC/MS/MS
Praziquantel	Plasma	10 ng/ml	LC/MS
Pemetrexed	Plasma	50 ng/ml	LC/MS/MS
Posaconazole	Plasma	20 ng/ml	LC/MS/MS
Prednisolone and Quinolone	Plasma	1 ng/ml 2.5 ng/ml	LC/MS/MS
Propranolol	Plasma Blood	10 ng/ml	LC-Fluor
Promethazine	Plasma	2 ng/ml	LC/MS/MS
Pseudoephedrine	Plasma	25 ng/ml	LC-UV
Pseudoephedrine	Urine	50 ng/ml	LC-UV
Pyrantel	Plasma	10 ng/ml	LC/MS/MS
Quinidine	Plasma	50 ng/ml	LC-UV
Raloxifene	Plasma	0.8 ng/ml	LC/MS/MS
Rapamycin	Whole blood	0.5 ng/ml	LC/MS/MS
Rimcazole	Plasma	4 ng/ml	LC/MS/MS
Ritalinic Acid	Urine	0.5 ug/ml	LC-UV
Ritalinic Acid	Plasma	0.5 ng/ml	LC/MS/MS
Ropivacine	Plasma	50 ng/ml	LC/MS/MS
Salbutamol	Plasma	0.5 ng/ml	LC-Fluor.
Salmon Calcitonin	Plasma	10 pg/ml	RIA
Sildenafil	Plasma	2.5 ng/ml	LC/MS/MS
N-Desmethyl Sildenafil	Plasma	0.5 ng/ml	LC/MS/MS
Simvastatin Hydroxysimvastatin	Plasma	0.2 ng/ml 0.2 ng/ml	LC/MS/MS LC/MS/MS
Sorafenib	Plasma	25 ng/ml	LC/MS/MS
Spironolactone metabolites 7- thiomethyl spironolactone canrenone	Plasma	10 ng/ml 5 ng/ml	LC/MS/MS
Sulfisoxazole	Plasma	1 ug/ml	LC-UV
Sumatriptan	Plasma	1 ng/ml	LC-EC
T4	Plasma		EMIT
Tadalafil	Plasma	5 ng/ml	LC/MS/MS
Tacrolimus	Blood	0.5 ng/ml	LC/MS/MS
Terbinafine	Plasma	10 ng/ml	LC/MS
Terfenadine Carboxylic Acid	Plasma	20 ng/ml	LC-Fluor.
TFPI	Plasma	0.2 IU/mL	Indirect photometric
Theophylline	Plasma	0.5 ug/ml 20 ng/ml	LC-UV LC/MS/MS

Compound	Matrix	LOQ	Technique
Thyroid Releasing Hormone	Plasma	0.1 uU/ml	RIA
Tizanidine	Plasma	0.2 ng/ml	LC/MS/MS
Topiramate	Plasma	10 ng/ml	LC/MS/MS
Tramadol	Plasma	1 ug/ml	LC/MS/MS
O-desmethyltramadol	Plasma	1 ng/ml	LC/MS/MS
Verapamil/Norverapamil	Plasma	5 ng/ml	LC-Fluor.
Vincristine	Plasma	10 ng/ml	LC/MS/MS
Vorinostat	Plasma	10 ng/ml	LC/MS/MS
Xamoterol	Plasma	1 ng/ml	RIA
Warfarin	Plasma	20 ng/ml	LC/MS/MS
Zaleplon	Plasma	0.5 ng/ml	LC/MS/MS
Zonisamide	Plasma	20 ng/ml	LC/MS/MS