



# BIOANALYSIS & BIOMARKER ASSAYS



Compound	Matrix	LOQ	Technique
2,6-dimethylaniline	Plasma	2 ng / ml	LC / MS / MS
4-aminopyridine	Plasma	2 ng / ml	LC-UV
GST	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 Oxypurinol	Plasma	200 ng / ml 1000 ng / ml	LC / MS / MS
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	Tissues	20 ng / g	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

Compound	Matrix	LOQ	Technique
Betahistine	Plasma	5 ng / ml	LC / MS / MS
Bethamethasone Behtamethasone dipropionate Bethamethasone 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 0.5 ng / ml	RIA 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.
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

Compound	Matrix	LOQ	Technique
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 carboxylacid	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 Blood Tissue	25 ng / ml 5 ng / ml 2.5 ng / biopsy	EMIT LC / MS / MS 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

Compound	Matrix	LOQ	Technique
Erythromycin Base	Plasma/ Serum	0.1 ug / ml	Micro Assay
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	Tissues	5 ng / g	LC / MS / 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

Compound	Matrix	LOQ	Technique
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
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

Compound	Matrix	LOQ	Technique
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	0.25 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
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

Compound	Matrix	LOQ	Technique
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
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



Compound	Matrix	LOQ	Technique
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
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
Zalepoln	Plasma	0.5 ng / ml	LC / MS / MS

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Compound	Matrix	LOQ	Technique
Zonisamide	Plasma	20 ng / ml	LC / MS / MS