

Assay List - 2011

Compound	Matrix	Quantitation Range	Technique
2,6-dimethylaniline	Plasma	2-500ng/ml	LC/MS/MS
4-aminopyridine	Plasma	2-200ng/ml	LC-UV
□ GST	Plasma	1.25-40ug/l	EIA
Acemetacin/Indomethacin	Plasma	1 – 2000ng/ml	LC/MS/MS
Acetaminophen	Plasma	0.025-15ug/ml	LC/MS/MS
Acyline	Plasma	0.2-40ng/ml	LC/MS/MS
Alendronate	Urine	2-1000ng/ml	LC-Fluor
Alfuzosin	Plasma	0.5 – 50ng/ml	LC/MS/MS
Alpurinol Oxypurinol	Plasma	200-3000ng/ml 1000- 50,000ng/ml	LC/MS/MS
Apomorphine	Plasma	0.1-20ng/ml	LC/MS/MS
4-aminosalicylic acid + metabolite	Plasma	10-3000ng/ml	LC/MS/MS
5-Amino Salicylic Acid	Plasma/Urine	50-800ng/ml/125- 2ug/ml	LC-Fluor.
Antipyrine	Plasma	40-400ug/ml	LC-UV
Atenolol	Plasma	25-1000ng/ml	LC-Fluor.
Aripiprazole	Plasma	1 – 100ng/ml	LC/MS/MS
Atenolol	Urine	100-2000ng/ml	LC-Fluor.
Amoxicillin	Plasma	0.2 – 30ug/ml	LC/MS/MS
Amphotericin	Plasma	40-5000ng/ml	LC-UV
Ampicillin	Plasma	0.2 – 30ug/ml	LC/MS/MS
Atorvastatin	Plasma	0.5 – 50ng/ml	LC/MS/MS
2-hydroxy Atorvastatin 4- hydroxy Atorvastatin	Plasma	0.5 – 50ng/ml	LC/MS/MS
Baclofen	Plasma	5-100ng/ml	LC-UV
Baclofen R&S	Plasma	10-1000ng/ml	LC/MS/MS
Betahistine	Plasma	5-1000ng/ml	LC/MS/MS
Bicifidine	Plasma	0.1-4ug/ml	LC-UV
Bisoprolol	Plasma	2-50ng/ml	LC-Fluor.
Bupropion	Plasma	10-1000ng/ml	LC-UV
Bupivacaine	Serum Tissue	0.1-10ug/ml 1- 200ug/g	LC-UV
Buprenorphine	Plasma	0.31-10ng/ml	RIA
Buprenorphine	Plasma	0.5-100ng/ml	LC/MS/MS
Buserelin/leuprolide	Serum	100 - 1000pg/ml	RIA

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CL-273,547	Plasma	2-300ng/ml	LC-Fluor.
Camp	Plasma	25-1600fmol/ml	RIA
c-peptide	Plasma	0.1-5ng/ml	RIA
Candesartan	Plasma	2-500ng/ml	LC/MS/MS
Captopril	Plasma	5-1000ng/ml	LC-Fluor.
Capric acid	Plasma	0.5-200ug/ml	GC
Carprofen (Chiral)	Plasma	0.1 – 20ug/ml	LC-UV
Canrenone	Plasma	5-300ng/ml	LC/MS/MS
Carvedilol R&S	Plasma	0.2-400ng/ml	LC/MS/MS
Cefdinir	Plasma	0.5-20ug/ml	LC-UV
Cefuroxime	Plasma	0.2-20.36ug/ml	LC-UV
Celecoxib	Plasma	0.05-10ug/ml	LC/MS/MS
Cetirizine	Plasma	1-500ng/ml	LC/MS/MS
Chlorpheniramine	Plasma	1-100ng/ml	GC-MS
Cilostazol	Plasma	5-500ng/ml	LC/MS/MS
Cilostazole metabolites	Plasma	5-500ng/ml	LC/MS/MS
Cinacalcet	Plasma	5-100ng/ml	LC/MS/MS
Cinnarizine	Plasma	1-100ng/ml	LC-MS/MS
Cisapride	Plasma	1-100ng/ml	LC-UV
Cimetidine	Plasma	0.1-6ug/ml	LC-UV
Ciprofloxacin	Plasma	50 –5000ng/ml	LC/UV
Clindamycin	Plasma	20-200ng/ml	LC/MS/MS
Clodronate	Plasma	20–1000ng/ml	LC/MS/MS
Clonidine	Plasma	25-1000pg/ml	GC-MS
Clopidogrel Clopidogrel carboxylic acid	Plasma	0.25-10ng/ml 20- 2,500ng/ml	LC/MS/MS LC/MS/MS
Co Amoxiclav (Amoxicillin) (Clavulanic Acid)	Plasma	0.2-30ug/ml 0.1- 6ug/ml	LC/MS/MS LC/MS/MS
Codeine	Plasma	10-200ng/ml 5- 200ng/ml	LC-Fluor. LC/MS/MS
Colchicine	Plasma	0.2-20ng/ml	LC/MS/MS
Cyclosporin	Blood	25-500ng/ml	EMIT
Cyclosporin	Blood	5-750ng/ml	LC/MS/MS
Danazol	Plasma	10-2000ng/ml	LC/MS/MS
Dextrorphan/Dextrometorphan	Urine	0.05-5ug/ml DM 0.5-50ug/ml DP	LC-Fluor

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3-Keto-Desogestrel	Plasma	0.1 – 10ng/ml	LC/MS/MS
Diclofenac	Plasma	10 – 1600ng/ml	LC/MS/MS
Diltiazem	Plasma	5-400ng/ml	LC-UV
Diltiazem/Desacetyl/ Diltiazem /Desmethyl Diltiazem	Plasma	1-400 ng/ml /0.5-100ng/ml	LC/MS/MS
Diphenhydramine	Plasma	2-200ng/ml	LC/MS/MS
2, 6-Dimethylaniline, o-Toluidine	Plasma	0.5 – 500ng/ml	LC/MS/MS
Dipyridamole	Plasma	10-5000ng/ml	LC/MS/MS
Domperidone	Plasma	0.2-100ng/ml	LC/MS/MS
Efavirenz	Plasma	5 – 1000ng/ml	LC/MS/MS
Epitetracycline	Milk	10-3500ng/ml	LC/MS/MS
Erlotinib	Plasma	1-1000ng/ml	LC/MS/MS
Erythromycin Base & Ethyl succinate	Plasma/Serum	0.05-2.5ug/ml	LC-EC
Erythromycin Base	Plasma/Serum	0.1-6.4ug/ml	Micro Assay
Exemestane	Plasma	2-500ng/ml	LC/MS/MS
Ezetimibe	Plasma	20-2000pg/ml	LC/MS/MS
Ezetimibe Glucronide	Plasma	0.25-250ng/ml	LC/MS/MS
Ezomeprazole	Plasma	10 – 2500ng/ml	LC/MS/MS
Fenbantal	Plasma	2-500ng/ml	LC/MS/MS
Felodipine	Plasma	0.1-10ng/ml	GC-MS
Fenbendazole/ Febantel/Oxfendazole Praziquantel	Plasma Plasma	2-500ng/ml 4-1000ng/ml	LC/MS/MS LC/MS/MS
Fentanyl	Plasma	0.1-10ng/ml	GC-MS
Flucolxacillin	Plasma	50-10000ng/ml	LC/MS/MS
Flugestone	Tissues	LOQ: 100pg/ml	LC/MS/MS
Fluticasone	Plasma	0.05-5.0ng/ml	LC/MS/MS
Fluvoxamine	Plasma	0.5-200ng/ml	LC/MS/MS
Fosinopril	Serum	0.1-500ng/ml	RIA
Gemfibrozil	Plasma	0.1-50ug/ml	LC-UV

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Gentamicin	Plasma	100-5000ng/ml	LC/MS/MS
Gentamicin	Tissue and bones	100-5000ng/ml	LC/MS/MS
Glipizide	Plasma	20-750ng/ml	LC/MS/MS
Glucagon	Plasma	16.3-522pg/ml	RIA
Granisetron	Plasma	0.1-40 ng/ml	LC/MS/MS
Haloperidol	Plasma	0.5-10ng/ml	LC-EC
Heparin-Anti Factor Xa AntiFactor IIa	Plasma	0.03-1.0l/ml human 0.2-8.0 lu/ml dog 0.5- 15.0lu/ml rat	Spectrophotomat ric
Hirudin	Plasma	150-500ng/ml	Chromagenic
Histrelin	Plasma	0.2-50ng/ml	LC/MS/MS
Hydrocodone	Plasma	2-160ng/ml	GC-MS, LC/MS/MS
Hydromorphone	Plasma	0.1-25ng/ml	LC-EC, LC/MS/MS
NorHydrocodone	Plasma	0.1 –25ng/ml	LC/MS/MS
Ibuprofen	Plasma	0.5-25ug/ml	LC-UV
Ibuprofen (enantiomers)	Plasma	0.5-25ug/ml	LC-UV
Indobufen	Plasma	1-40ug/ml	LC-UV
Indomethecin	Plasma	0.1-4.0ug/ml	LC-UV
Indomethecin	Plasma	1 – 2000ng/ml	LC/MS/MS
Insulin	Plasma/Serum	3-240 ul/ml	RIA
IS-5-MN	Plasma	10-150ng/ml	GC-ECD
Ivermectin	Plasma	1-1000ng/ml	LC/MS/MS
Ivermectin	Plasma Tissue	0.25-10ng/ml 0.5- 200ng/g	LC-Flour LC- Flour
11XX (oligonucleotide)	Plasma	0.045-50ug/ml 10-500ng/ml	LC-UV LC/MS/MS
11XY (oligonucleotide)	Plasma	0.25-46ug/ml	LC-UV
Ketoprofen	Plasma	0.05-10ug/ml	LC-UV
Lacidipine	Plasma	0.2-10ng/ml	LC/MS/MS
Lansoprazole	Plasma	1-500ng/ml	LC/MS/MS
Lauric acid	Plasma	0.5-200ug/ml	GC
Letrozole	Plasma	0.5-50ng/ml	LC/MS/MS
Levodopa/Carbidopa	Plasma	25-1000ng/ml	LC-EC

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Compound	Matrix	Quantitation Range	Technique
LH-RH	Plasma	1.25-160pg/ml	RIA
Lodine(etodolac)	Plasma	0.1-50ug/ml	LC-UV
Leuprolide	Plasma	50.8-3,333pg/ml	RIA
Leuprolide	Plasma	0.4-4000ng/ml	LC/MS/MS
Luteinizing Hormone	Plasma	1-150mIU/ml	EIA
LevoCetirizine	Plasma	1-500ng/ml	LC/MS/MS
Lidocaine/Prilocaine	Plasma	2-500ng/ml	LC/MS/MS
Lisinopril	Plasma	1-500ng/ml	LC/MS
Loperamide	Plasma	20-2000pg/ml	LC/MS/MS
Lorazepam	Plasma	1-50ng/ml	LC/MS/MS
Mecamylamine	Plasma	5 -10,000ng/ml	LC/MS/MS
Memantine	Plasma	0.2 – 100ng/ml	LC/MS/MS
Mercaptopurine	Plasma	500-30000ng/ml	HPLC-UV
Methyldopa	Plasma	0.5-5ug/ml	LC-EC
Methylphenidate	Plasma	0.5-40ng/ml	GC-MS
Methylphenidate	Plasma	0.25-40ng/ml	LC/MS/MS
Metaxalone	Plasma	10-2000ng/ml	LC/MS/MS
Metformin	Plasma	20-1500ng/ml	LC/MS/MS
Metoclopramide	Plasma	5-100ng/ml	LC-UV
Metoprolol	Plasma	5-400ng/ml	LV-Flu: LC/MS/MS
Modafinil	Plasma	100-5,000ng/ml	LC/MS/MS
Morphine	Plasma	0.5-100ng/ml	LC/MS/MS
Morphine-3-glucuronide	Plasma	2-2000ng/ml	LC/MS/MS
Morphine-6-glucuronide	Plasma	2-2000ng/ml	LC/MS/MS
Naproxen	Plasma	0.5-200ug/ml	LC-UV
Naloxone	Plasma	0.5-20ng/ml	LC-GC
Nicotine	Plasma	2-48ng/ml	GC-NPD; GC/MS; LC/MS/MS
Nicotine/ Cotinine	Plasma Urine	2-80ng/ml 25- 1000ng/ml	GC-NPD; GC/MS; LC/MS/MS GC- NPD; GC/MS: LC/MS/MS
Nifedipine	Plasma	1-80ng/ml	GC-ECD LC/MS/MS
Nifedipine Carboxylic Acid	Urine	1-100ug/ml	LC-UV

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Compound	Matrix	Quantitation Range	Technique
Nimodipine	Plasma	0.1-50ng/ml	GC-ECD
Nizatidine	Plasma	20-2000ng/ml	LC-UV
Olanzapine	Plasma	0.2-50ng/ml	LC/MS/MS
Omeprazole	Plasma	10-2500ng/ml	LC/MS/MS
Olmesartan	Plasma	50– 10000ng/ml	LC/MS/MS
Ondansetron	Plasma	0.5-200ng/ml	LC/MS/MS
Oxfendazole	Plasma	5- 500ng/ml	LC/MS/MS
Oxymorphone	Plasma (Rabbit)	0.5-20ng/ml	LC-EC
Oxytetracycline + metabolite	Milk	10-3,500ng/ml	LC/MS/MS
Pantoprazole	Plasma	1 –500ng/ml	LC/MS/MS
Paracetamol	Plasma	2-20ug/ml	LC-UV
Paracetamol/ Phenylephrine	Plasma	100-25000ng/ml/ 0.5-50ng/ml	LC/MS/MS
Paclitaxel	Plasma	5-1000ng/ml 20- 5000 ng/ml	LC/MS/MS LC- UV
PEG 1,000-10,000	Urine	5-2000ug/ml	LC-RI
Pentoxifylline	Plasma	20-200ng/ml	LC-UV
Phenylephrine	Plasma	0.5 – 50ng/ml	LC/MS/MS
Phenytoin	Plasma	0.2-5ug/ml	LC-UV
Pioglitazone	Plasma	30 – 3000ng/ml	LC/MS/MS
Pioglitazone Metabolite III	Plasma	30 – 2000ng/ml	LC/MS/MS
Piperazine	Plasma	0.1-75ug/ml	LC-Fluor
Piroxicam	Plasma	0.1-10ug/ml	LC-UV
Pramipexole	Plasma	0.1 – 5ng/ml	LC/MS/MS
Praziquantel	Plasma	10 –1000ng/ml	LC/MS
Pemetrexed	Plasma	50 – 10,000ng/ml	LC/MS/MS
Posaconazole	Plasma	20 – 5000ng/ml	LC/MS/MS
Prednisolone and Quinolone	Plasma	1-100ng/ml 2.5-500ng/ml	LC/MS/MS
Propranolol	Plasma Blood	10-200ng/ml	LC-Fluor
Promethazine	Plasma	2-100ng/ml	LC/MS/MS
Pseudoephedrine	Plasma	25-1000ng/ml	LC-UV
Pseudoephedrine	Urine	50-5000ng/ml	LC-UV

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Compound	Matrix	Quantitation Range	Technique
Pyrantel	Plasma	10-100ng/ml	LC/MS/MS
Quinidine	Plasma	50-1500ng/ml	LC-UV
Raloxifene	Plasma	0.8 –100ng/ml	LC/MS/MS
Rapamycin	Whole blood	0.5-100ng/ml	LC/MS/MS
Rimcazole	Plasma	4 – 400ng/ml	LC/MS/MS
Ritalinic Acid	Urine	0.5-100ug/ml	LC-UV
Ritalinic Acid	Plasma	0.5-100ng/ml	LC/MS/MS
Ropivacine	Plasma	50 – 10,000ng/ml	LC/MS/MS
Salbutamol	Plasma	0.5-20ng/ml	LC-Fluor.
Salmon Calcitonin	Plasma	10-400pg/ml	RIA
Sildenafil	Plasma	2.5-500ng/ml	LC/MS/MS
Simvastatin Hydroxysimvastatin	Plasma	0.2-20ng/ml 0.2-20ng/ml	LC/MS/MS LC/MS/MS
Sorafenib	Plasma	25-2,500ng/ml	LC/MS/MS
Spironolactone metabolites 7-thiomethyl spironolactone canrenone	Plasma	10-600ng/ml 5-300ng/ml	LC/MS/MS
Sulfisoxazole	Plasma	1-80ug/ml	LC-UV
Sumatriptan	Plasma	1-100ng/ml	LC-EC
T4	Plasma		EMIT
Tadalafil	Plasma	5-800ng/ml	LC/MS/MS
Tacrolimus	Blood	0.5 – 250ng/ml	LC/MS/MS
Terbinafine	Plasma	10-1500ng/ml	LC/MS
Terfenadine Carboxylic Acid	Plasma	20-1000ng/ml	LC-Fluor.
Theophylline	Plasma	0.5 - 40ug/ml 20-700ng/ml	LC-UV LC/MS/MS
Thyroid Releasing Hormone	Plasma	0.1-100uU/ml	RIA
Tizanidine	Plasma	0.2-20ng/ml	LC/MS/MS
Topiramate	Plasma	10-1000ng/ml	LC/MS/MS
Tramadol	Plasma	1-500ug/ml	LC/MS/MS
O-desmethyltramadol	Plasma	1-500ng/ml	LC/MS/MS
Verapamil/Norverapamil	Plasma	5-250ng/ml	LC-Fluor.
Vincristine	Plasma	10,1000ng/ml	LC/MS/MS
Vorinostat	Plasma	10-1000ng/ml	LC/MS/MS
Xamoterol	Plasma	1-100ng/ml	RIA
Warfarin	Plasma	20-4000ng/ml	LC/MS/MS
Zalepoln	Plasma	0.5-200ng/ml	LC/MS/MS
Zonisamide	Plasma	20-1000ng/ml	LC/MS/MS

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Biomarkers Analyte	Species and Matrix	Technique
Albumin	Human Serum	COLORIMETRIC
Calcium	Human Serum	COLORIMETRIC
CD40/CD40L	Human Serum	EIA
Creatinine	Human Serum	COLORIMETRIC
Creatinine	Human Urine	COLORIMETRIC
Creatinine	Monkey Serum	COLORIMETRIC
E-selectin; P-slectin	Human Serum	EIA
Glucose	Human Serum	SPECTROMETRIC
ICAM-1/VCAM-1	Human Serum	EIA
iNOS	Human Serum	EIA
Interferon-Gamma (IFN-Gamma)	Human Serum	EIA
Interferon-Gamma (IFN-Gamma)	Human Plasma	ELISA
Interleukin-1 Alpha (I1-1 Alpha)	Human Serum	EIA
Interleukin-1 Ra (IL-1 Ra)	Human Serum	EIA
Interleukin-10	Human Serum	EIA
Interleukin-12	Human Serum	EIA
Interleukin-12	Human Serum	ELISA
Interleukin-13	Human Serum	ELISA
Interleukin-1Beta (IL-1Beta)	Human Serum	EIA
Interleukin-2 Receptor Soluble (sIL-2R)	Human Serum	ELISA
Interleukin-6 (I1-6)	Human Serum	EIA
Interleukin 8	Human Serum	EIA
Iron-Total	Human Serum	COLORIMETRIC
Iron-Total	Human Serum	SPECTROPHOTOMETRIC
L-Thyroxine	Human Plasma	EIA
Magnesium	Human Serum	SPECTROPHOTOMETRIC
MIG	Human Serum	EIA
Rheumatoid Factor (RF) IgM	Human Fluids	ELISA
T4-Total	Human Serum	EPIA
Tumor Necrosis Factor Alpha (TNF-Alpha)	Human Plasma	EIA
Tumor Necrosis Factor-Alpha & Human (HTNF-Alpha)	Human Serum	EIA